

X

SUB. REPORT/abd

971203 Equitable to Inland CH. 9-30-97: 980209 CONY exp. 78604 Lease # 4-67845,

1/4 - 1/4 SEC. 22

TWP.	RGE.	SEC.	OPERATOR
			<i>Inland Prod. Co.</i>
			EQUITABLE RESOURCES

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Horsebench SS 1459	Dakota	Park City	McCracken
2nd grdn gulch 2311	Burro Canyon	Rico (Goodridge)	Aneth
yellow mkr 3884	Cedar Mountain	Supai	Simonson Dolomite
DRICK 4496	Buckhorn	Wolfcamp	Sevy Dolomite
2nd DRICK 4659	JURASSIC	CARBON I FEROUS	North Point
green mkr 4902	Morrison	Pennsylvanian	SILURIAN
black shale 5043	Salt Wash	Oquirrh	Laketown Dolomite
Carbonate 5339	San Rafael Gr.	Weber	ORDOVICIAN
	Summerville	Morgan	Eureka Quartzite
Flagstaff	Bluff Sandstone	Hermosa	Pogonip Limestone
North Horn	Curtis		CAMBRIAN
Almy	Entrada	Pardox	Lynch
Paleocene	Moab Tongue	Ismay	Bowman
Current Creek	Carmel	Desert Creek	Tapeats
North Horn	Glen Canyon Gr.	Akah	Ophir
CRETACEOUS	Navajo	Barker Creek	Tintic
Montana	Kayenta		PRE - CAMBRIAN
Mesaverde	Wingate	Cane Creek	
Price River	TRIASSIC		
Blackhawk			

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

LEASE DESIGNATION AND SERIAL NO.
U-67845

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

NE SW Section 22, T8S, R17E
At proposed prod. zone

2019' FSL, 1356' FWL
615 413

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 11.9 miles southeast of Myton, UT

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
6,300'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5180.3' GL

22. APPROX. DATE WORK WILL START*
September 1, 1996

23.

PROPOSED CASING AND CEMENTING PROGRAM

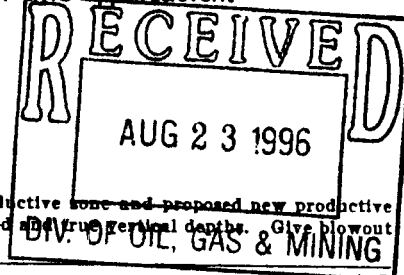
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program and Casing Design				

Operator plans to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY: Utah Division of Oil, Gas and Mining



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED *Lois Schuman*

TITLE Regulatory and
Environmental Specialist

DATE August 20, 1996

(This space for Federal or State office use)

PERMIT NO. 43-013-31702

APPROVAL DATE

APPROVED BY

J. A. Matthews

TITLE

Petroleum Engineer

DATE

10/21/96

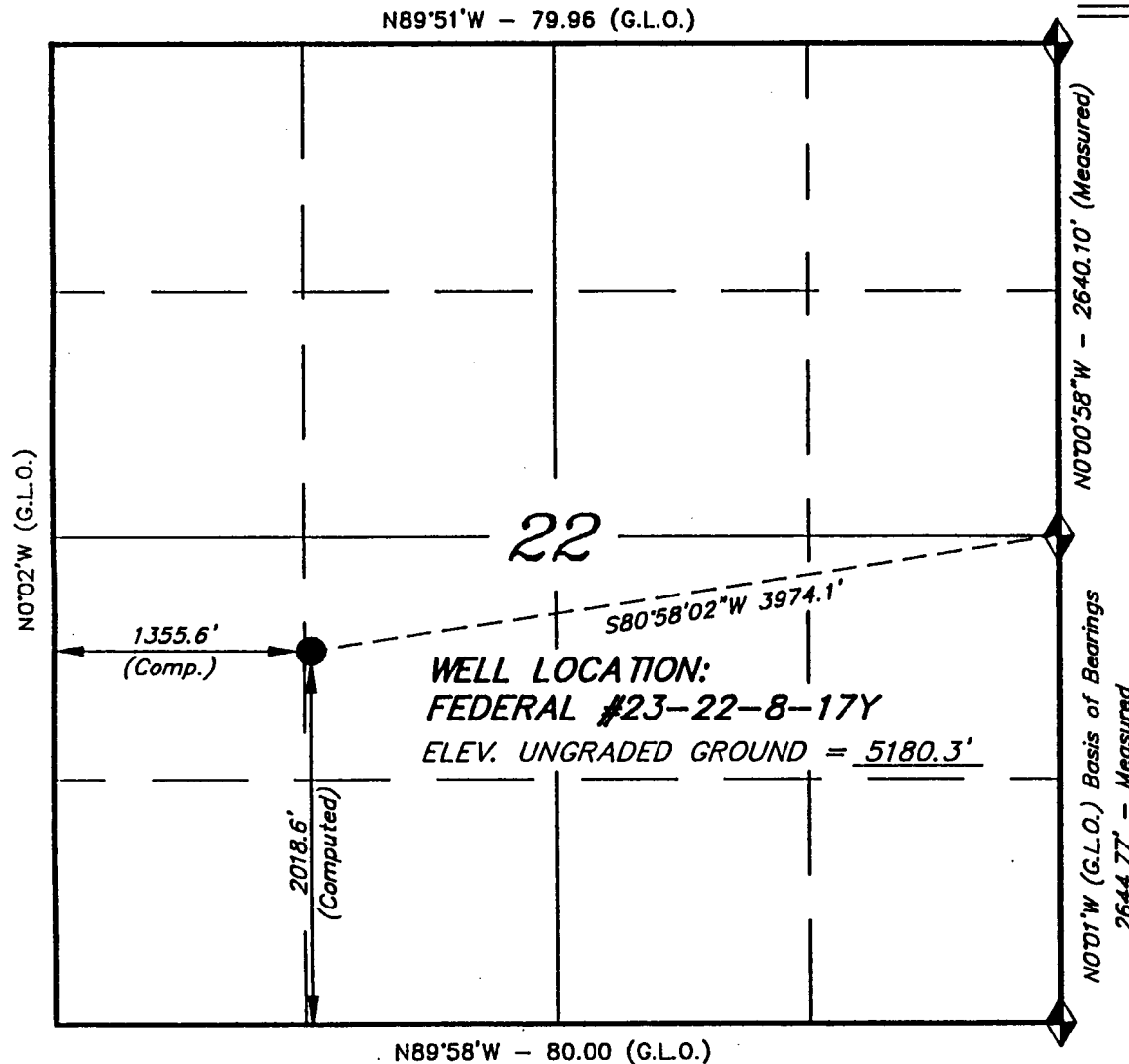
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

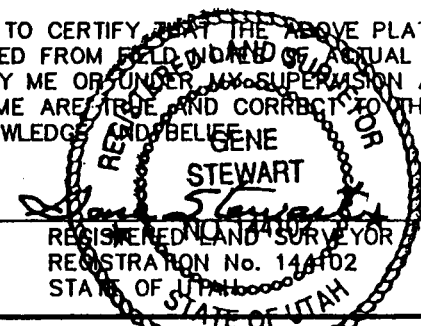
T8S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, FEDERAL #23-22-8-17Y,
LOCATED AS SHOWN IN THE NE 1/4 SW 1/4
OF SECTION 22, T8S, R17E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. D.S.
DATE: 7-16-96	WEATHER: HOT
NOTES:	FILE #



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1910

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

CONFIDENTIAL

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF
THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD
ALLOWED BY FEDERAL AND STATE REGULATIONS.**

**Equitable Resources Energy Company
Western Region
1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860
FAX: (406) 245-1361**

EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Western Region
Monument Federal #23-22-8-17Y
NE SW Section 22, T8S, R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. **ESTIMATED IMPORTANT GEOLOGICAL MARKERS:**

See Geologic Prognosis (EXHIBIT "C")

2. **ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:**

See Geologic Prognosis (EXHIBIT "C")

3. **OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.

- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.
- c. When running 5-1/2" production casing we will install 5-1/2" pipe rams and are hereby requesting a variance on testing. We request not to test.

SURFACE USE PROGRAM
EQUITABLE RESOURCES ENERGY COMPANY
Monument Federal #23-22-8-17Y
NE SW Section 22, T8S, R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. **EXISTING ROADS:**

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 7.0 miles to proposed access sign. Turn left and go approximately 3.3 miles to location which is in a feedlot.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. **PLANNED ACCESS ROADS:** See EXHIBIT "F" Maps A & B

- a. No new access is required.
- b. A cattleguard will be installed if the private surface owner requests it.
- c. All travel will be confined to location and access routes.
- d. If a right-of-way is needed for access, please consider this Application for Permit to Drill as the application for right-of-way.

3. **LOCATION OF EXISTING WELLS:**

See EXHIBIT "I" Map C.

4. PROPOSED PRODUCTION FACILITIES DIAGRAM:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. See EXHIBIT "J" for the Proposed Production Facility layout.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private source owned by Joe Shields, Application #57708, Appropriation #47-1674, located in Section 15, T4S, R2W, Duchesne County UT.
- b. The drilling water will be hauled by truck to the location site.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time. If additional construction material is needed, it will be from an approved source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.

- c. The reserve pit will be lined. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.

- e. The reserve pit will be located on the North side of the location.
- f. If needed, flare pit will be located downwind of the prevailing wind directions a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the southwest side between Corners 5 and 6.
- h. Access to the wellpad will be from the southwest between Corners 5 and 6.
- i. All pits will be fenced according to the following minimum standards:
 - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
 - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
 - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the cornerbraces. Maximum distance between any two posts will be no greater than 16'.
 - d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be notified of of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. A plastic nylon reinforced liner will be used, and it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured in accordance with the agreement with the private surface owner. The reserve pit will be reclaimed in accordance with agreement with the private surface owner. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment.

11. SURFACE OWNERSHIP:

Mr. Brad Nelson
P.O. Box 638
Roosevelt, UT 84066

12. OTHER INFORMATION:

- a. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- b. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.
- c. All surface disturbance and reclamation will be done in accordance with the agreement with the private surface owner.

d. This is private surface and the private surface owner has waived the archaeological survey.

13. **Lessee's or Operator's Representative:**

Equitable Resources Energy Company, Western Region
1601 Lewis Avenue
Billings, Montana 59102
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Operations Manager Home: (406) 248-3864
Mobile: (406) 698-3732

Dale Griffin, Operations Supervisor Mobile: (801) 828-7291
Home: (801) 781-1018

14. **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

August 22, 1996
Date

Bobbie Schuman
Bobbie Schuman
Regulatory Specialist
Equitable Resources Energy Company

Well Prognosis

Well Name MONUMENT FEDERAL #23-22-8-17Y				Control Well	
Location NE/SW SECTION 22-T8S-R17E (2019' FSL, 1356' FWL)				Operator EREC	
County/State DUCHESNE, UTAH				Well Name MF 13-22Y	
Field MON. BUTTE		Well Type DEVELOPMENT		Location NW/SW SEC. 22-T8S-R17E	
GL (Ung)	5180.3	EST. KB	5190	Total Depth	6300
				KB	5200

Formation Tops		Prognosis		Sample Top		Control Well	High/Low	
Formation	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface							
GREEN RIVER	1889	3301			3326			
HORSE BENCH SS	2783	2407			2432			
2ND GARDEN GULCH	4405	785			810			
Y-1 (PAY)	4457	733			758			
Y-3 (PAY)	4761	429			454			
YELLOW MARKER	5034	156			181			
DOUGLAS CREEK	5205	-15			10			
R-5 (PAY)	5413	-223			-198			
2ND DOUGLAS CREEK	5577	-387			-246			
G-1U (PAY)	5493	-303			-278			
GREEN MARKER	5608	-418			-393			
G-3 (PAY)	5685	-495			-470			
G-4 (PAY)	5736	-546			-521			
G-6 (PAY)	5823	-633			-608			
CARBONATE MARKER	6075	-885			-860			
B-1U (PAY)	6085	-895			-870			
B-3 (PAY)	6226	-1036			-1011			
TD	6300							

Samples	DST,s	Wellsite Geologist
50' FROM 1800' TO 4500'	DST #1 NONE	Name: _____
20' FROM 4400' TO TD	DST #2 _____	From: _____ To: _____
5' THROUGH EXPECTED PAY	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	Phone # _____ wk.
		_____ hm.
		Fax # _____

Logs	Cores	Mud Logger
DLL FROM SURF CSNG TO TD	Core #1 NONE	Company: NORTHWEST
LDT/CNL FROM 4300 TO TD	Core #2 _____	From: _____ To: TD
_____	Core #3 _____	Type: 2 MAN
_____	Core #4 _____	Logger: _____
_____		Phone # _____
Comments:		Fax # _____

Report To: 1st Name: DAVE BICKERSTAFF 2nd Name: KEVEN REINSCHMIDT	Phone # (406) 259-7860 Phone # (406) 259-7860	wk. (406)245-2261 wk. (406)248-7026	hm. hm.
Prepared By: BICKERSTAFF 8/96	Phone # _____	wk.	hm.

EQUITABLE RESOURCES ENERGY COMPANY

D
1092

Operator: EREC	Well Name: M.F. 23-22-8-17Y
Project ID:	Location: Duchesne / Utah

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2250 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,300	5-1/2"	15.50	K-55	ST&C	6,300	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2880	4040	1.403	2880	4810	1.67	97.65	222	2.27 J

Prepared by : *McCaskery, Billings, Montana*

Date : 08-20-1996

Remarks :

Design is for a Production string.

Minimum segment length for the 6,300 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,880 psi, respectively.

NOTE : The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
Costs for this design are based on a 1987 pricing model. (Version 1.07)



EQUITABLE RESOURCES
ENERGY COMPANY
WESTERN REGION

D
2 of 2

DRILLING PROGRAM

WELL NAME: Monument Federal #23-22-8-17Y DATE: 8-20-96
PROSPECT/FIELD: Monument Butte
LOCATION: NE SW Section 22 Twn.8S Rge.17E
COUNTY: Duchesne
STATE: Utah

TOTAL DEPTH: 6300'

HOLE SIZE INTERVAL

12 1/4" Surface to 260'
7 7/8" 260' to 6300'

CASING	INTERVAL		CASING			
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE	
Surface Casing	0'	260'	8 5/8"	24	J55	
Production Casing	0'	6300'	5 1/2"	15.50	K55	

CEMENT PROGRAM

Surface Casing 150 sacks class"G" with 2% CaCl and 1/4 lb/sack Flocele.
(Cement will be circulated to surface.)

Production Casing 250 sacks Thrifty Lite and 400 sacks 50-50 Poz.
(Actual cement volumes will be calculated from caliper log with cement top at 2000')

PRELIMINARY DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No cores or tests are planned for this well.

EXHIBIT "E"

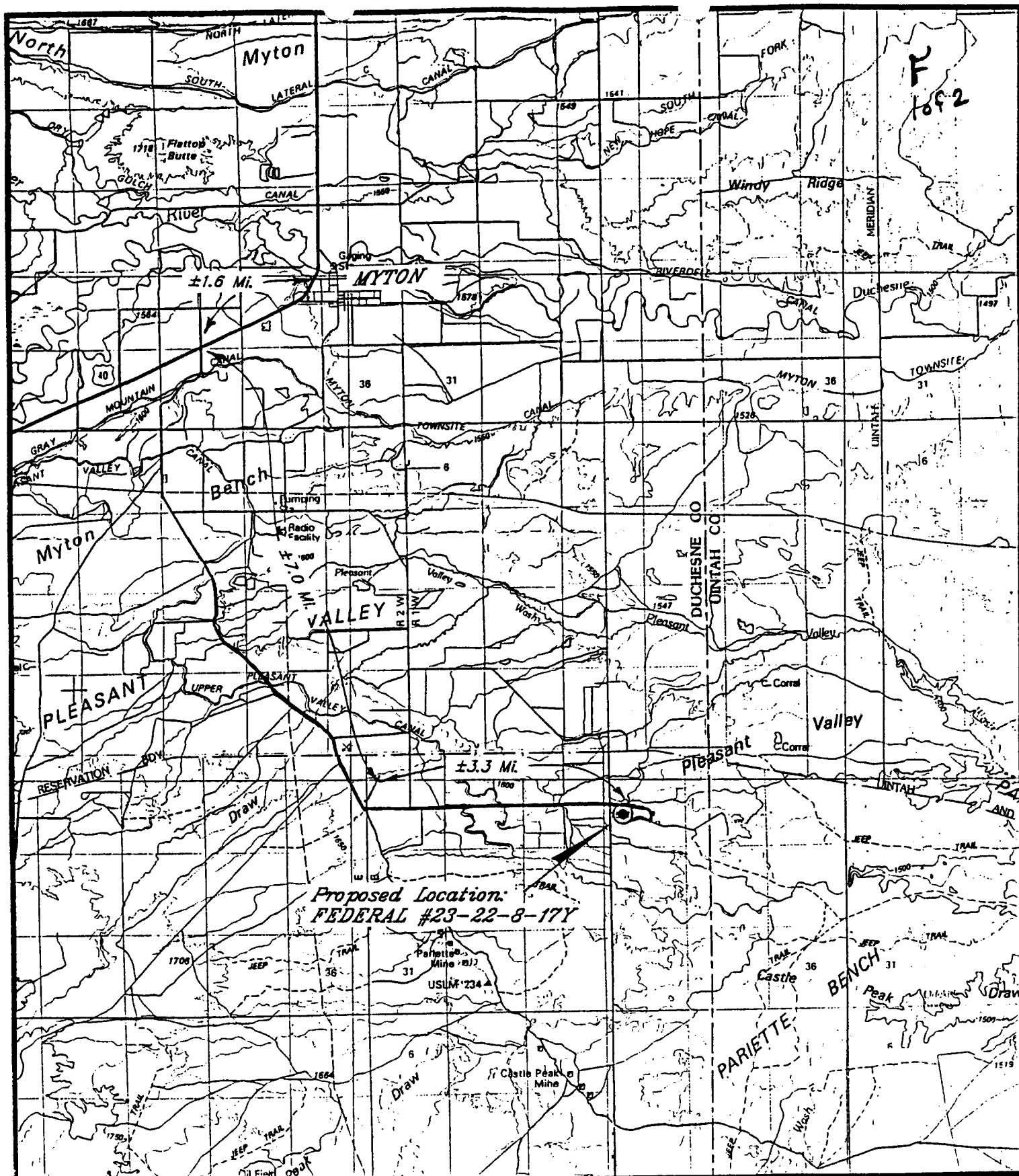
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing, and producing this well:

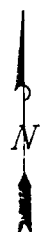
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

3/28/95
/rs



EQUITABLE RESOURCES CO.

FEDERAL #23-22-8-17Y
SEC. 22, T8S, R17E, S.L.B.&M.
TOPO "A"



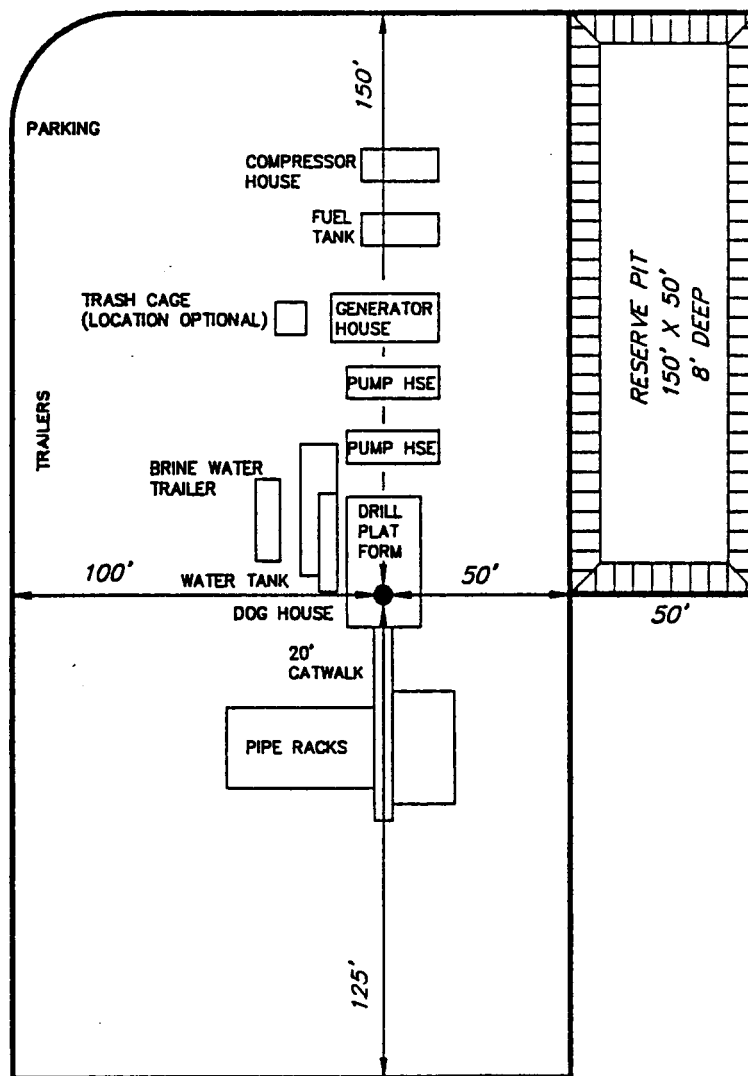
Tri State
Land Surveying, Inc.

(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

G

TYPICAL RIG LAYOUT
FEDERAL #23-22-8-17Y



UNION DRILLING RIG #17

Hex Kelly

EXHIBIT "H"

Rotating Head

Adj. Choke

Air Bowl

7" Flowline

#3000
Blind Ram - Pipe Ram

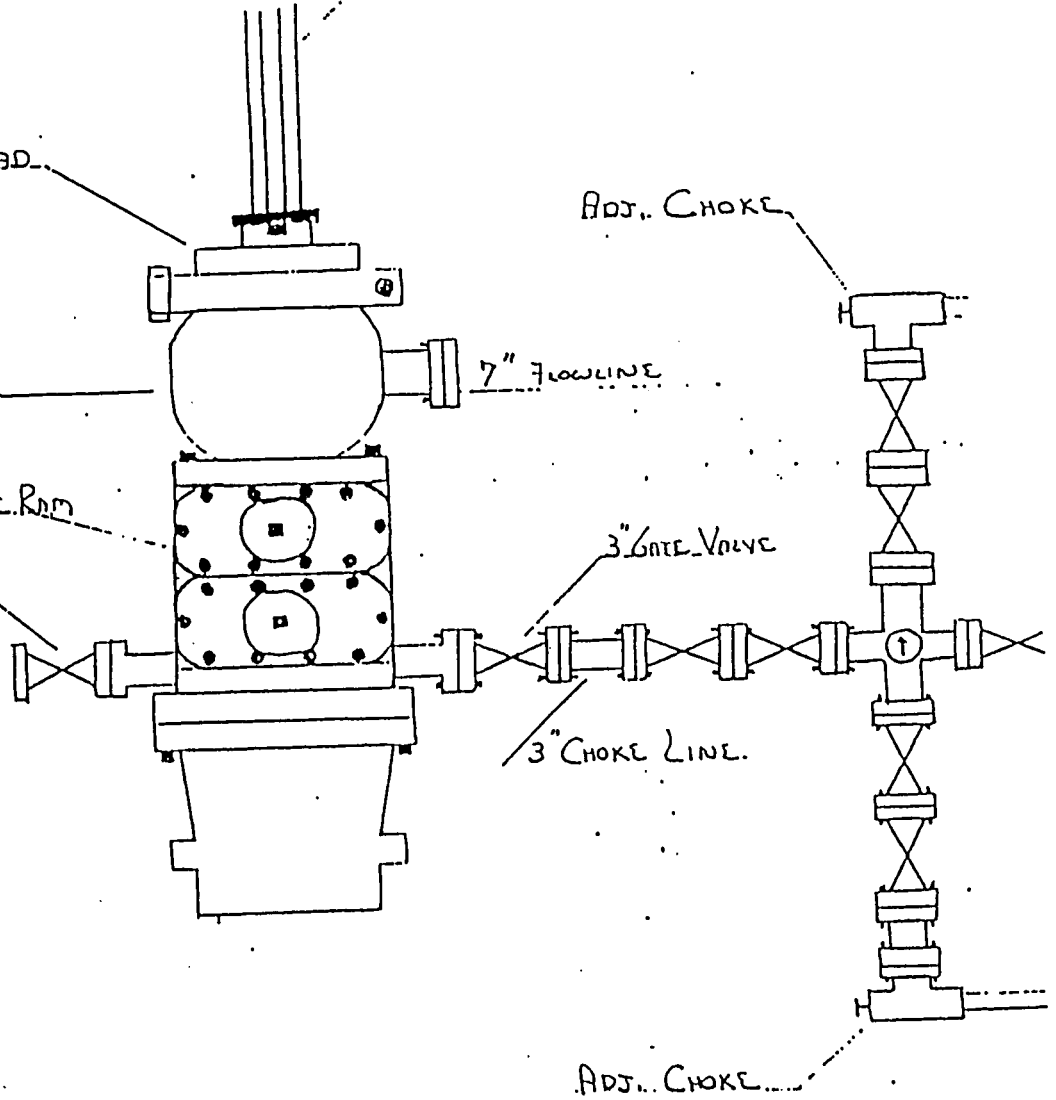
3" Gate Valve

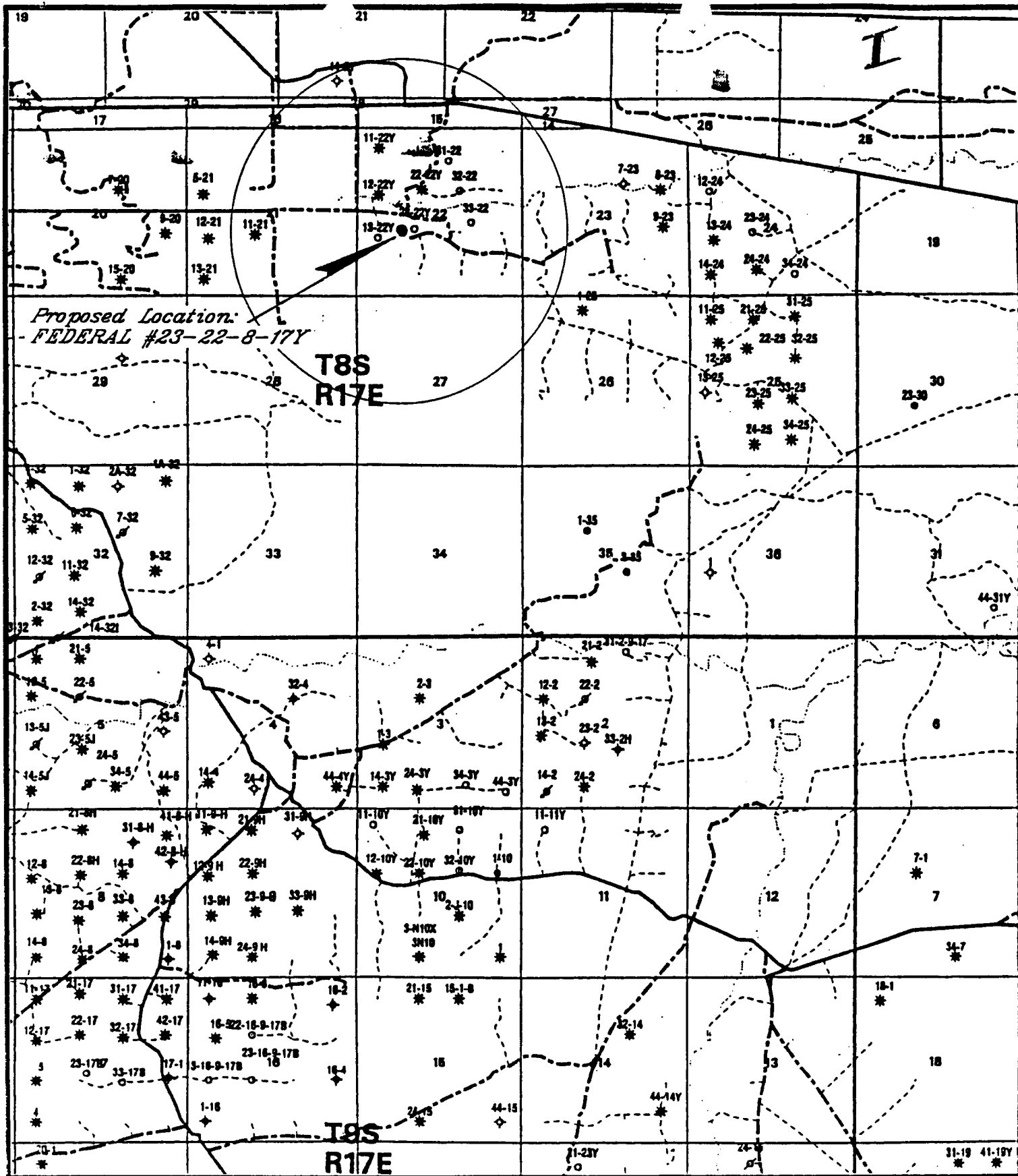
3" Gate Valve

3" Choke Line

Adj. Choke

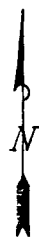
#3000 Stack





EQUITABLE RESOURCES CO.

FEDERAL #23-22-8-17Y
SEC. 22, T8S, R17E, S.L.B.&M.
TOPO "C"



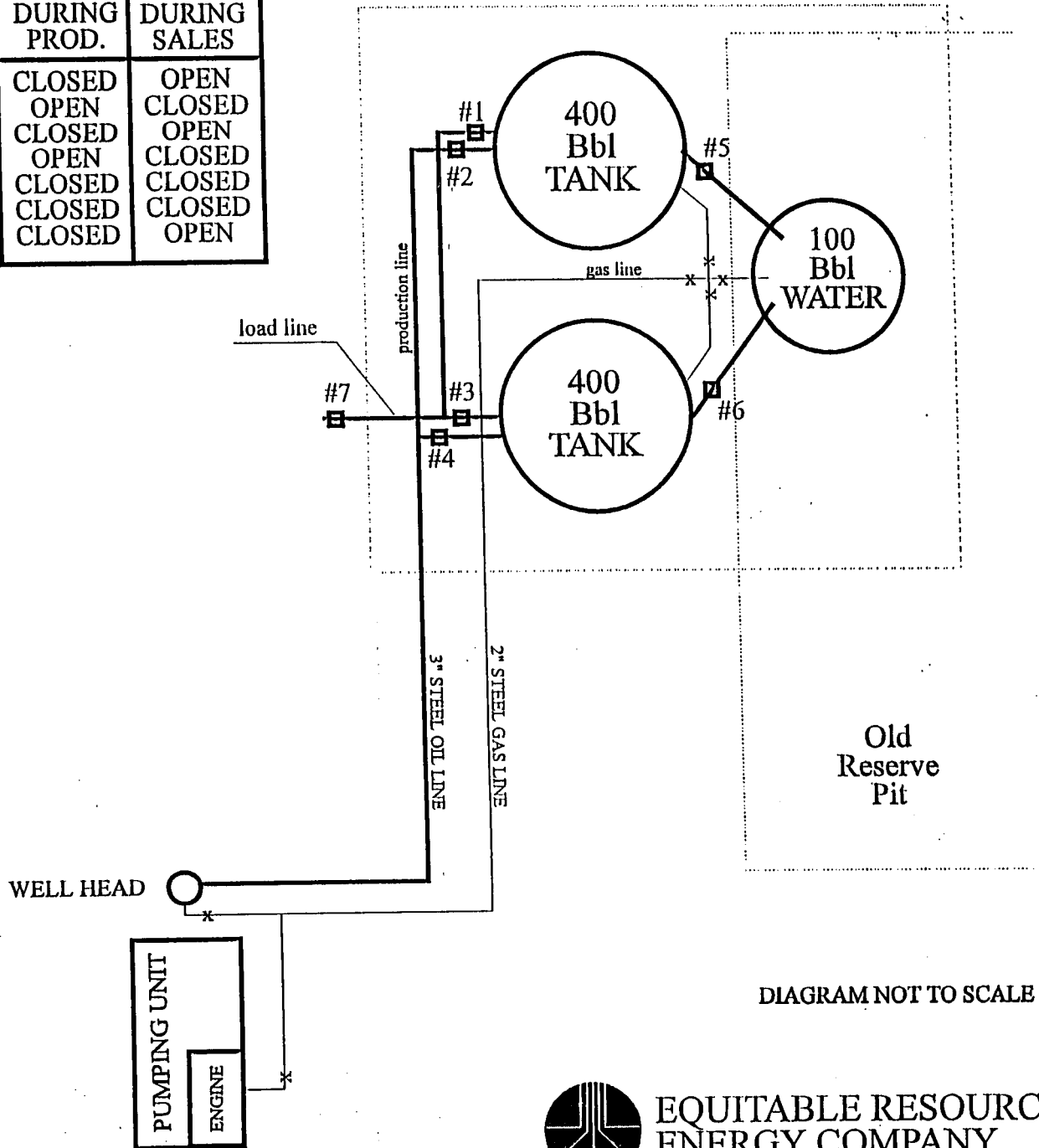
Tri State
Land Surveying, Inc.

(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

PROPOSED PRODUCTION FACILITY DIAGRAM

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

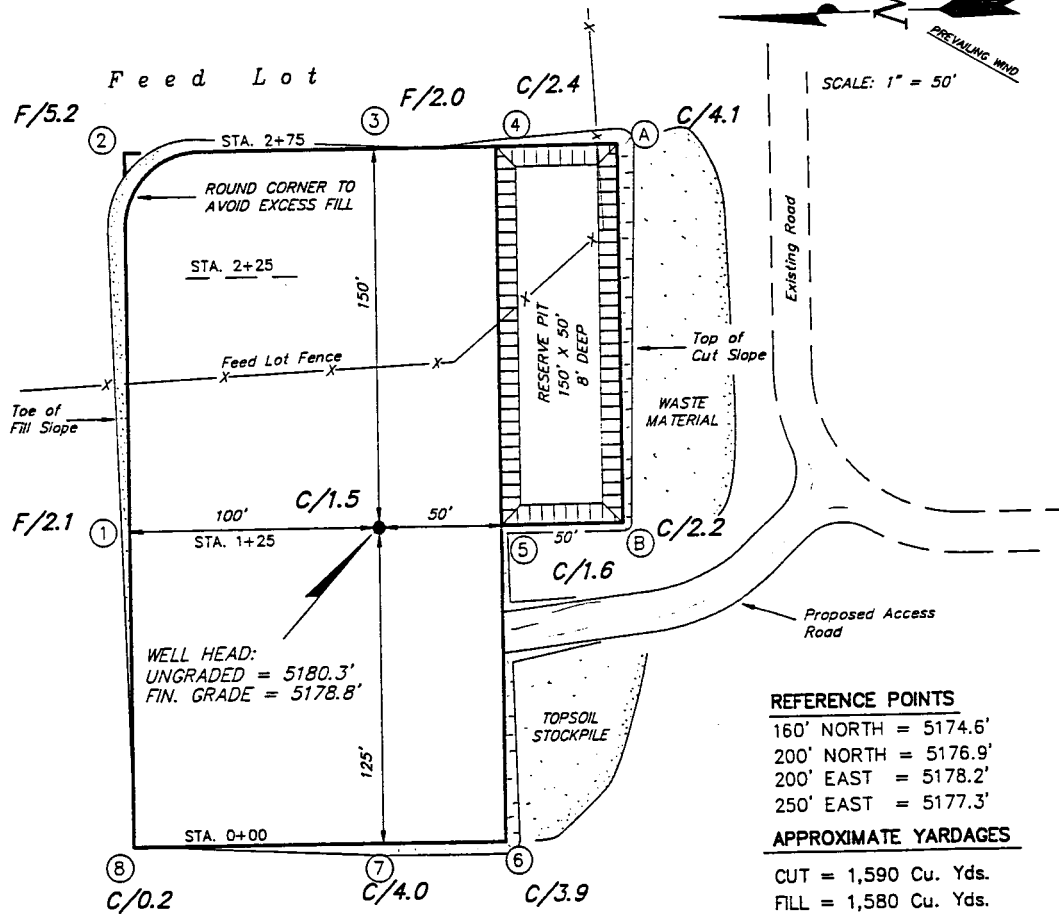
**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59104-2
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

FEDERAL #23-22-8-17Y
SEC. 22, T8S, R17E, S.L.B.&M.

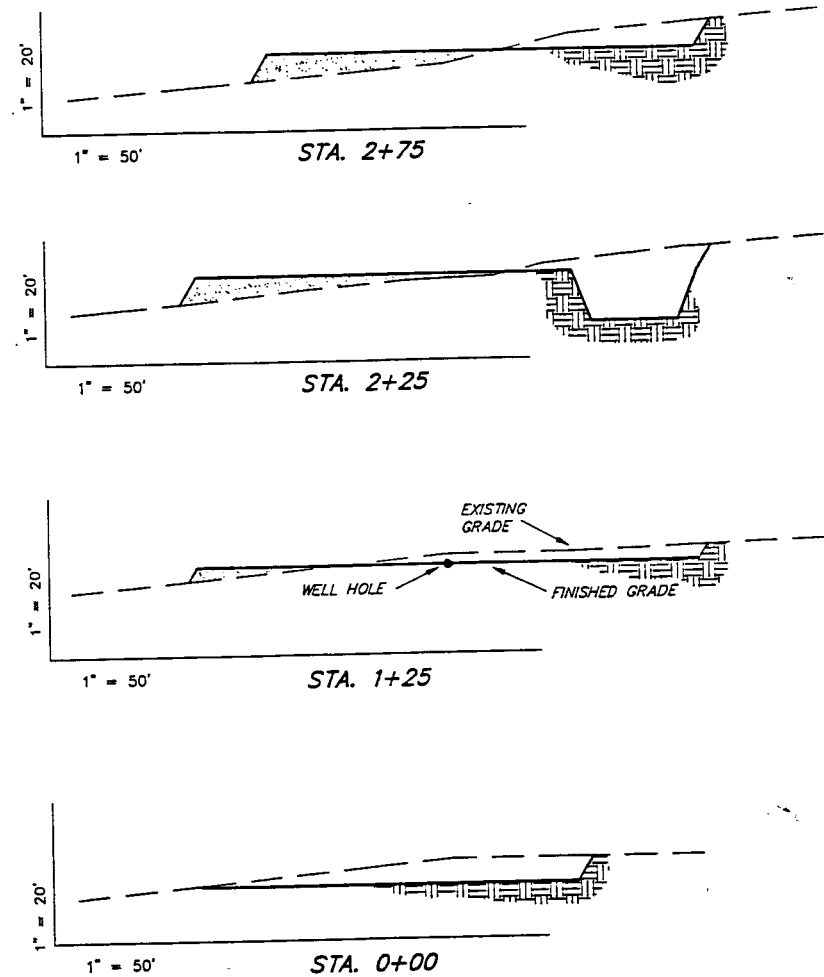


REFERENCE POINTS

160' NORTH = 5174.6'
200' NORTH = 5176.9'
200' EAST = 5178.2'
250' EAST = 5177.3'

APPROXIMATE YARDAGES

CUT = 1,590 Cu. Yds.
FILL = 1,580 Cu. Yds.
PIT = 1,770 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. D.S.

DRAWN BY: J.R.S.

DATE: 7-16-96

SCALE: 1" = 50'

FILE:

Tri State
Land Surveying, Inc.
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/23/96

API NO. ASSIGNED: 43-013-31702

WELL NAME: MONUMENT FEDERAL 23-22-8-17Y
OPERATOR: EQIOTABLE RESOURCES CORP (N9890)

PROPOSED LOCATION:

NESW 22 - T08S - R17E
SURFACE: 2019-FSL-1356-FWL
BOTTOM: 2019-FLS-1359-FWL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: U - 67845

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 5547188)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 47-1674)
☒ RDCC Review (Y/N)
(Date: _____)

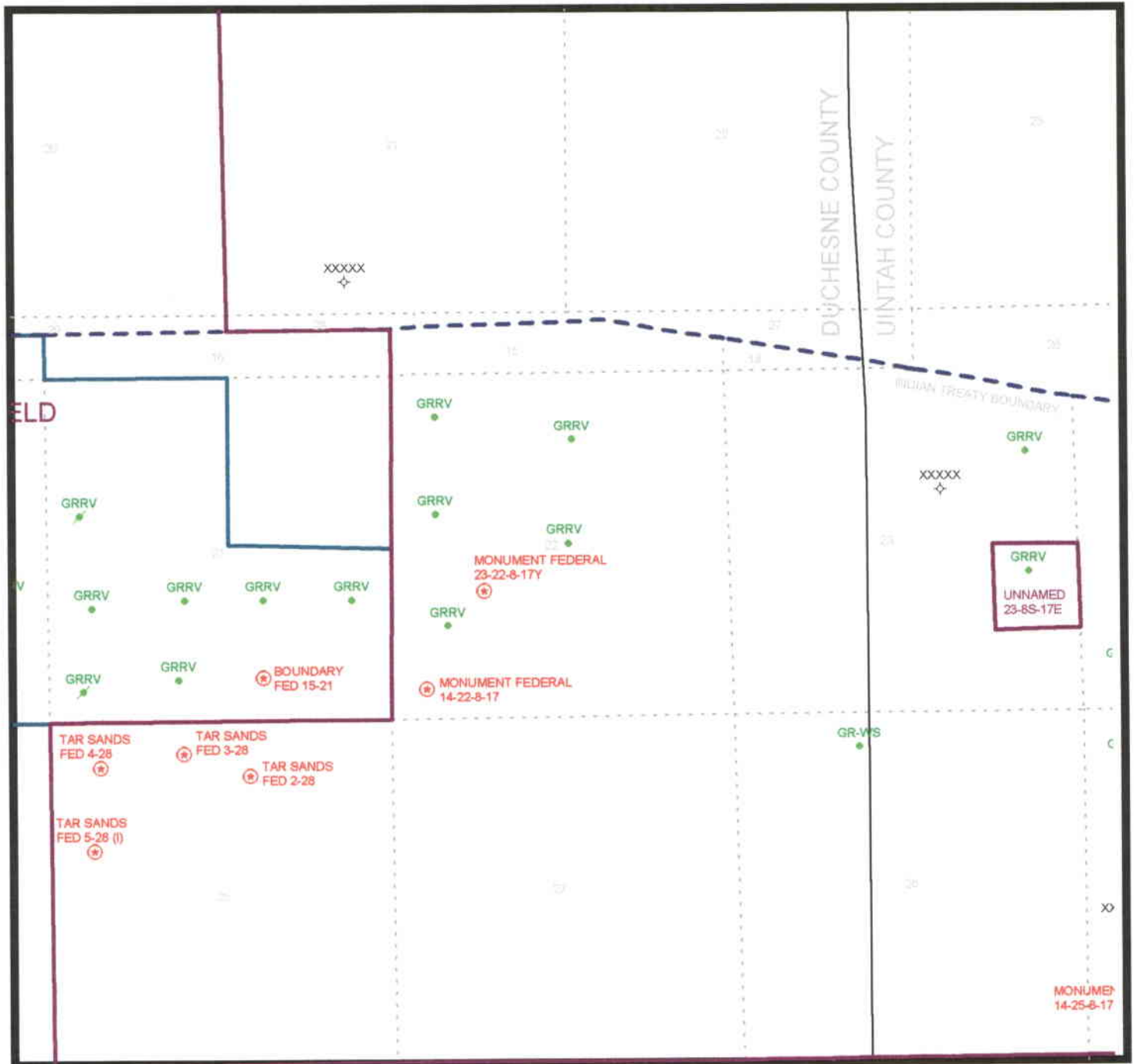
LOCATION AND SITING:

___ R649-2-3. Unit: _____
___ R649-3-2. General.
☒ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: EQUITABLE RESOURCES
FIELD: MONUMENT BUTTE (105)
SECTION: 22, T8S, R17E
COUNTY: DUCHESNE
SPACING: UAC R649-3-3



PREPARED:
DATE: 26-AUG-96

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: EQUITABLE RESOURCES CO	Well Name: MON FED 23-22-8-17Y
Project ID: 43-013-31702	Location: SEC. 22 - T8S - R17E

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2477 psi
 Internal gradient (burst) : 0.064 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost
1	6,300	5.500	15.50	K-55	ST&C	6,300	4.825	
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)	
1	2880	4040	1.403	2880	4810	1.67	97.65	222 2.27 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 10-21-1996
 Remarks :

GREEN RIVER

Minimum segment length for the 6,300 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 118°F (Surface 74°F , BHT 162°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,880 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 22, T8S, R17E
2019' FSL, 1356' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Monument Fed. #23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

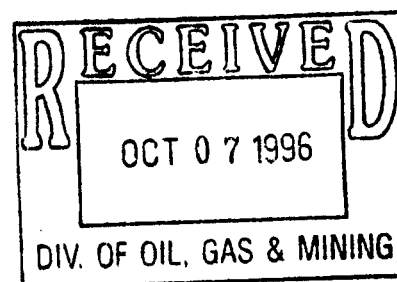
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other private surface owner agreement & waiver
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

proof of
Attached is the/private surface owner agreement and archeological waiver for this well.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman
Bobbie Schuman

Title

Regulatory and
Environmental Specialist

Date

October 3, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

SEPTEMBER 10, 1996

LESSOR: USA #U-67845

SURFACE OWNER: BRAD AND JOANN NELSON FAMILY TRUST
ETHAN LEE AND LOUISE NELSON FAMILY TRUST

WELL: FEDERAL #23-22-8-17Y

WELLSITE LOCATION: TOWNSHIP 8 SOUTH, RANGE 17 EAST
SECTION 22: NESW
DUCHESNE COUNTY, UTAH

I certify that the undersigned, the Brad and Joann Nelson Family Trust and the Ethan Lee and Louise Nelson Family Trust, have reached an agreement with Equitable Resources Energy Company, Western Region as to the requirements for the protection of surface resources and reclamation of disturbed areas and/or damages in lieu thereof. The undersigned also waive any and all archeological assessments that may be required by the Utah Bureau of Land Management.

DATE: 9-27-96
1

SURFACE OWNER: Brad L Nelson
TRUSTOR OF BRAD AND JOANN NELSON
FAMILY TRUST

DATE: 9-27-96

SURFACE OWNER: Ethan Lee Nelson
TRUSTOR OF ETHAN LEE AND LOUISE NELSON
FAMILY TRUST

DATE: 9-27-96

OPERATOR: J. Gary Kebeary
EQUITABLE RESOURCES ENERGY COMPANY,
WESTERN REGION



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-358-3940 (Fax)
801-538-5319 (TDD)

October 21, 1996

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102


Re: Monument Federal 23-22-8-17Y Well, 2019' FSL, 1356' FWL,
NE SW, Sec. 22, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31702.

Sincerely,


R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office



Operator: Equitable Resources Energy Company
Well Name & Number: Monument Federal 23-22-8-17Y
API Number: 43-013-31702
Lease: U-67845
Location: NE SW Sec. 22 T. 8 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

LEASE DESIGNATION AND SERIAL NO.
U-67845

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

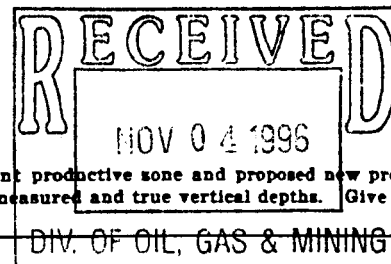
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME n/a
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			7. UNIT AGREEMENT NAME n/a
2. NAME OF OPERATOR Equitable Resources Energy Company			8. FARM OR LEASE NAME Monument Federal
3. ADDRESS OF OPERATOR 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860			9. WELL NO. #23-22-8-17Y
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface NE SW Section 22, T8S, R17E 2019' FSL, 1356' FWL			10. FIELD AND POOL, OR WILDCAT Monument Butte/Grn River
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 11.9 miles southeast of Myton, UT			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T8S, R17E
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 6,300'	20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, ET, GR, etc.) 5180.3' GL			22. APPROX. DATE WORK WILL START* September 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached Drilling Program and Casing Design				

Operator plans to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Lois Schuman Regulatory and Environmental Specialist
SIGNED: _____ TITLE: _____ DATE: August 29, 1996

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY: Thomas D. Leary Assistant Field Manager
TITLE: Mineral Resources DATE: OCT 22 1996
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

OF APPROVAL

47080-bm-202

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 23-22-8-17Y

API Number: 43-013-31702

Lease Number: U-67845

Location: NESW Sec. 22 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to running the next casing string or requesting plugging orders.** Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by the cementing program. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to \pm 200 ft. above TOC and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Ed Forsinan (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM
Conditions of Approval (COAL)

METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.

Other Information

The operator or their contractor shall contact the BLM office at (801)789-1362, 48 hours prior to construction activities.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: MONUMENT FEDERAL 23-22-8-17Y

Api No. 43-013-31702

Section 22 Township 8S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 11/6/96

Time: 6:30 PM

How: ROTARY

Drilling will commence: _____

Reported by: D. INGRAM

Telephone #: _____

Date: 11/7/96 Signed: JLT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 22, T8S, R17E 2019' FSL, 1356' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Mon. Fed. #23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

Mon. Butte/Gm. Ruiver

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other spud of well

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

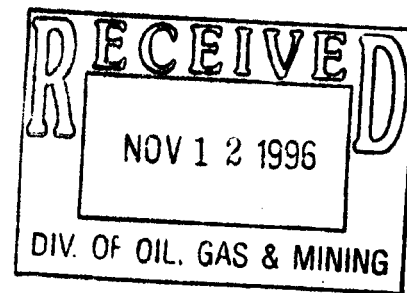
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud at 1 p.m. 11/6/96.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining



14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and
Environmental Specialist

November 7, 1996

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

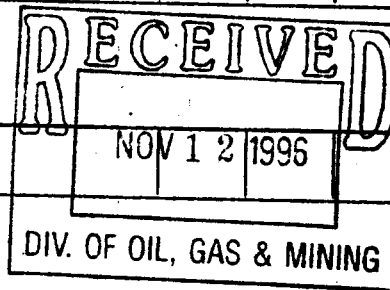
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company OPERATOR ACCT. NO. 9890
ADDRESS 1601 Lewis Avenue
Billings, MT 59102

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12031	43-013-31702	Mon. Fed. #23-22-8-179	NE SW	22	85	17E	Duchesne	11-6-96	11-6-96
WELL 1 COMMENTS: Entity added 11-14-96. <i>Lee</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											



- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

DATE: November 7, 1996

Lobbie Schuman
Regulatory and
Environmental Specialist
Title ~~XXXX~~

Phone No. (406) 259-7860

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 22, T8S, R17E
2019' FSL, 1356' FWL

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Mon. Fed. #23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

Mon. Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other 1st production

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

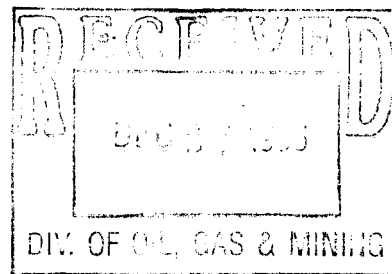
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well went on production 12/17/96

CONFIDENTIAL



ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Utah Division of Oil, Gas and Mining

> via Fax & Mail

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Regulatory and
Environmental Specialist

Date December 20, 1996

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Form 3160-4
(November 1983)
(formerly 9-380)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐
2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ DIFF. REPAIR ☐ Other ☐

CONFIDENTIAL

3. NAME OF OPERATOR
EQUITABLE RESOURCES ENERGY COMPANY

4. ADDRESS OF OPERATOR
1601 LEWIS AVENUE BILLINGS, MT 59102 (406)259-7860

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 2019' FSL & 1356' FWL

At top prod. interval reported below

At total depth

CONFIDENTIAL

6. PERMIT NO. 43-013-31702 DATE ISSUED 10-21-96

7. INHABER DESIGNATION AND SERIAL NO.
U-67845

8. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

9. UNIT AGREEMENT NAME
n/a

10. NAME OF LEASEE NAME
Monument Federal

11. WELL NO.
#23-22-8-17Y

12. FIELD AND POOL, OR WILDCAT
Mon. Butte/Green River

13. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA
NE SW Section 22, T8S, R17E

14. COUNTY OR PARISH
Duchesne

15. STATE
Utah

16. DATE SPUNDED 11-6-96 17. DATE T.D. REACHED 11-14-96 18. DATE COMPL. (Ready to prod.) 12-17-96 19. ELEVATIONS (DP, RMR, RT, GR, ETC.)* 5,180.3' GL 20. SLEV. CASINGHEAD n/a

21. TOTAL DEPTH, MD & TVD 6301' 22. PLUG BACK T.D., MD & TVD 6218' 23. IF MULTIPLE COMPL., HOW MANY* n/a 24. INTERVALS DRILLED BY SFC-TD 25. CABLE TOOLS n/a

26. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4724'-5868' Green River 27. WAS DIRECTIONAL SURVEY MADE NO

28. TYPE ELECTRIC AND OTHER LOGS RUN DLL/GR CNL/GR 62/CBL MUD LOG 11-15-96 29. WAS WELL CURED NO

CARING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	280' KB	12-1/4"	160 sxs "G" w/ additives	None
5-1/2"	15.5#	6261.14' KB	7-7/8"	370 sxs "G" + 435 sxs	None
				50/50 poz w/ additives	

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
N/A					2-7/8"	4676.49' KB
						N/A

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4724'-4728' (4 SPF)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4729'-4731' (4 SPF)		(SEE ATTACHMENT FOR DETAILS)	
5837'-5868' (2 SPF)			

33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)	
12-17-96	1-1/2" Insert Pump	Producing	

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
Will Submit in 30 days	24	n/a	→	26	Will Submit in 30 days	8	Will Submit in 30 days
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
n/a	n/a	→	26	Will Submit in 30 days	8	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel. 35. TEST WITNESSED BY Dale Griffin

36. LIST OF ATTACHMENTS #32.

37. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *[Signature]* TITLE Regulatory Specialist DATE 2-3-97

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States a false statement.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NO DST's run./

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Green River	1459'	1459'
Horse Bench S.S.	2311'	2311'
2nd Garden Gulch	3884'	3884'
Yellow Marker	4496'	4496'
Douglas Creek	4659'	4659'
2nd Douglas Crk.	4902'	4902'
Green Marker	5043'	5043'
Black Shale Facies	5339'	5339'
Carbonate Marker	5482'	5482'

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NE SW Section 22, T8S, R17E
2019' FSL & 1366' FWL

5. Lease Designation and Serial No.

UTU67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

M. Fed. #23-22-8-173

9. API Well No.

43-013-317032

10. Field and Pool, or Exploratory Area

M. Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

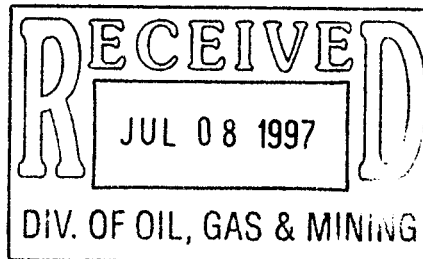
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Onshore Order #7

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, UT. A copy of the state-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another state-approved disposal facility. If applicable, the Operator has received approved Right-of-Way access to this well location from the Vernal Bureau of Land Management.



14. I hereby certify that the foregoing is true and correct

Signed Molly Conrad

Agent for Equitable Resources
Energy Company

Date 7-1-97

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 12 of 14

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
EQUITABLE RESOURCES ENERGY
PO BOX 577
LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 33-22-8-17								
4301331588	12024	08S 17E 22	GRRV			1167845		
MONUMENT FEDERAL 23-22-8-17Y								
4301331702	12031	08S 17E 22	GRRV			"		
MONUMENT FEDERAL 41-6-9-16Y								
4301331718	12043	09S 16E 6	GRRV			121174390		
PARIETTE DRAW FED 9-23								
4304731543	12053	08S 17E 23	GRRV			1145431		
FEDERAL 22-25								
4304732008	12053	08S 17E 25	GRRV			121167845		
MONUMENT FEDERAL 11-25								
4304732455	12053	08S 17E 25	GRRV			"		
PARIETTE FEDERAL 34-24								
4304732506	12053	08S 17E 24	GRRV			1145431		
MONUMENT FEDERAL 32-25								
4304732524	12053	08S 17E 25	GRRV			1167845		
BALCRON MONUMENT FEDERAL 33-25								
4304732525	12053	08S 17E 25	GRRV			"		
MONUMENT FEDERAL 12-25								
4304732526	12053	08S 17E 25	GRRV			"		
BALCRON MONUMENT FEDERAL 21-25								
4304732528	12053	08S 17E 25	GRRV			"		
MONUMENT FEDERAL 23-25								
4304732529	12053	08S 17E 25	GRRV			"		
MONUMENT FEDERAL 31-25								
4304732530	12053	08S 17E 25	GRRV			"		
TOTALS								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



RECEIVED
OCT 10 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078



RE: Change of Operator
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

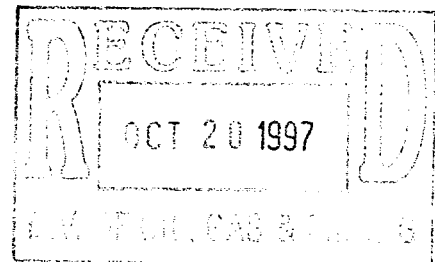
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

RECEIVED

OCT 10 1997

14. I hereby certify that the foregoing is true and correct

Signed Chris A. Potter

Title **CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date 9/30/97

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

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*See Instruction on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

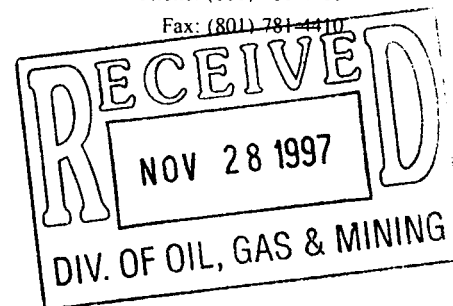
Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3
UT08438

November 20, 1997



Inland Production Company
475 17th Street, Suite 1500
Denver, CO 80202

Re: Well No. Mon. Fed. 23-22-8-17Y
NESW, Sec. 22, T8S, R17E
Lease U-76240
Duchesne County, Utah

43-013-31702

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: ~~Division of Oil, Gas & Mining~~
Equitable Resources Energy Company

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #1-12	NESE 128S 24E	UINTAH	UT	COYOTE BASIN	43-047-20221-00	UTU58226	UTU72085A
COYOTE BASIN #32-6	6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-31835-00	UTU020309D	UTU72085A
COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ COYOTE BASIN FED. #13-7	NWSW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32255-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #12-13	SWNW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-31266-00		UTU72085A
✓ COYOTE BASIN FEDERAL #13-5	NWSW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32261-00	UTU063597A	UTU72085A
✓ COYOTE BASIN FEDERAL #13-13	NWSW 138S 24E	UINTAH	UT	COYOTE BASIN	43-047-32196-00	UTU67208	UTU72085A
✓ COYOTE BASIN FEDERAL #21-7	NENW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31673-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #22-7	SENE 7 9S 25E	UINTAH	UT	COYOTE BASIN	43-047-32256-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #33-5	NWSE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32257-00	UTU063597A	UTU72085A
✓ COYOTE BASIN FEDERAL #43-12	NESE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-30943-00	UTU038797	UTU72085A
✓ COYOTE FEDERAL #12-5	SWNW 5 8S 25E	UNITAH	UT	COYOTE BASIN	43-047-32253-00	UTU063597A	UTU72085A
✓ COYOTE FEDERAL #21-5	NENW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32260-00	UTU063597A	UTU72085A
✓ COYOTE FEDERAL #31-7	NWNE 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32254-00	UTU020309D	UTU72085A
EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ EAST RED WASH FED. #1-12	SWNE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-20207-00	UTU038797	UTU72085A
EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH FEDERA #1-13	NENW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-20222-00	UTU018073	UTU72085A
✓ EAST RED WASH FEDERA #1-5	SENE 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20174-00	UTU063597A	UTU72085A
✓ EAST RED WASH FEDERA #1-6	NESE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20208-00	UTU017439B	UTU72085A
✓ FEDERAL #14-4	SWSW 4 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-15678-00	UTU41376	UTU72085A
✓ TXO FEDERAL #2	SENE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31567-00	UTU41376	UTU72085A
✓ TXO FEDERAL #1	SWNE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31406-00	UTU41376	UTU72085A
✓ BALCRON FEDERAL #12-20Y	SWNW 209S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32617-00	UTU64917	
✓ BALCRON FEDERAL #31-19Y	NWNE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32614-00	UTU65635	
✓ BALCRON FEDERAL #32-19Y	SW NE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32615-00	UTU65635	
✓ BALCRON FEDERAL #42-19Y	SENE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32616-00	UTU65635	
✓ BALCRON FEDERAL #31-5Y	NWNE 5 9S 18E	UINTAH	UT	EIGHT MILE FLAT (U)	43-047-32503-00	UTU65970	
✓ BALCRON FEDERAL #11-22Y	NW NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31539-00	UTU66191	
✓ BALCRON FEDERAL #12-22Y	SWNW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31476-00	UTU66191	
✓ BALCRON FEDERAL #22-22Y	SE NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31538-00	UTU76240	
✓ FEDERAL #1-26	NENW 268S 17E	UINTAH	UT	MONUMENT BUTTE (22)	43-047-31953-00	UTU76240	
✓ MONUMENT FEDERAL #13-22Y	NW SW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31583-00	UTU76240	
✓ MONUMENT FEDERAL #23-22-8-17	NESW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31702-00	UTU76240	
✓ MONUMENT FEDERAL ##31-22	NW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31587-00	UTU76240	
✓ MONUMENT FEDERAL #32-22-8-17	SW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31586-00	UTU76240	
✓ MONUMENT FEDERAL #33-22-8-17	NWSE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31588-00	UTU76240	
✓ BALCRON FEDERAL #11-20Y	NW NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32712-00	UTU64917	



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

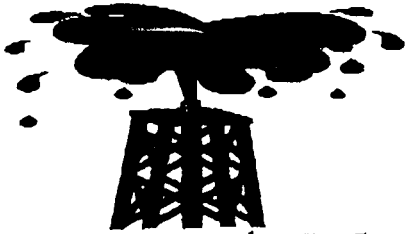
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-LEC	6-DEC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31703</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: _____
4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
6. Cardex file has been updated for each well listed above. *(12-3-97)*
7. Well file labels have been updated for each well listed above. *(12-3-97)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-3-97)*
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- JEC 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A JEC 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A DTJ 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A ^{12/5/97} 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- JEC 1. All attachments to this form have been microfilmed. Today's date: 2.23.98.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT FEDERAL 23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

410 17TH STREET, SUITE 700, DENVER, COLORADO 80202 (303) 893-0102

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019 FSL 1356 FWL NE/SW Section 22, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Weekly Status

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

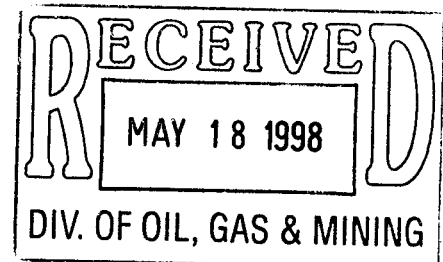
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WEEKLY STATUS REPORT FOR THE PERIOD OF 4/30/98 - 5/6/98

Perf CP sds @ 6083-85', 6120-32', 6187-95' & 6198-6201'.

Swab well. Land production tbgs.

Place well on production @ 2:00 PM, 5/5/98.



14. I hereby certify that the foregoing is true and correct

Signed Shannon Smith Title Engineering Secretary Date 5/7/98

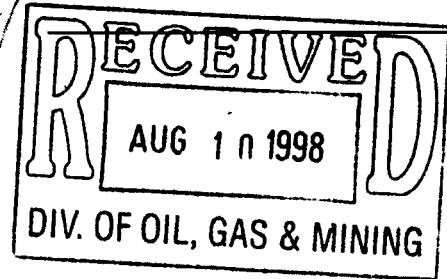
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



July 31, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Monument Federal #23-22, Proposed Canvasback Unit
Monument Butte Field, Lease #U-77233
Section 22-Township 8S-Range 17E
Duchesne County, Utah

Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Federal #23-22 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Proposed Canvasback Unit.

Please note that the water analysis submitted with this application is that of a nearby well, the Boundary Federal #9-21.

Should you have any questions or require additional information, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

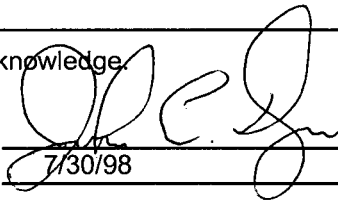
INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
MONUMENT FEDERAL #23-22
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
CANVASBACK UNIT
LEASE #U-77233
JULY 31, 1998

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APPLICATION FOR INJECTION WELL - UIC FORM 1

RECEIVED
AUG 10 1998
DIV. OF OIL, GAS & MINING

Well Name and number:		<u>Monument Federal #23-22-8-17</u>	
Field or Unit name:		<u>Canvasback Unit (Green River)</u>	Lease No. <u>U-77233</u>
Well Location:	QQ <u>NESW</u> section <u>22</u> township <u>8S</u> range <u>17E</u> county <u>Duchesne</u>		
Is this application for expansion of an existing project? Yes [X] No []			
Will the proposed well be used for:		Enhanced Recovery? Yes [X] No []	
		Disposal? Yes [] No [X]	
		Storage? Yes [] No [X]	
Is this application for a new well to be drilled? Yes [] No [X]			
If this application is for an existing well,			
has a casing test been performed on the well?..... Yes [X] No []			
Date of test:	<u>12/9/96</u>		
API number:	<u>43-013-31702</u>		
Proposed injection interval: from <u>4724'</u> to <u>5868'</u>			
Proposed maximum injectic n: rate <u>500 bpd</u> pressure <u>1629</u> psig			
Proposed injection zone contains [X] oil, [] gas, and/or [] fresh water within 1/2 mile of the well.			
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.			
List of Attachments:	<u>Exhibits "A" through "G"</u>		
I certify that this report is true and complete to the best of my knowledge.			
Name:	<u>John E. Dyer</u>	Signature	
Title	<u>Chief Operating Officer</u>	Date	<u>7/30/98</u>
Phone No.	<u>(303) 292-0900</u>		
(State use only)			
Application approved by _____		Title _____	
Approval Date _____			

Comments:



Elev.GR -5190" GL
Elev.KB - 5200" KB

**PROPOSED INJECTION
WELLBORE DIAGRAM**

Monument Federal #23-22-8-17Y
Monument Butte
U-67845
Section 22, T8S, R17E
Duchesne County, Utah
DATE: 2/13/97 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 269'
DEPTH LANDED: 279' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: No data given in report

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6261'
DEPTH LANDED: 6271' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sks super"G", 3% salt,
2% gel, 2#/sk KOL-seal,
1/4#sk Cello-flake, Tail w/
435 sks 50/50 POZ, 2% gel,
1/4#sk Cello-flake, 2#/sk
Kol-seal.

CEMENT TOP AT: 925' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: 150 Jts (4666.49')
PACKER AT: 4750'
NO. OF JOINTS: 39 Jts (1231.14')
SEATING NIPPLE:
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x27.61' w/notched-pinned collar
STRING LENGTH: 5933.29'
SN LANDED AT:

POLISHED ROD:
SUCKER RODS:

TOTAL STRING LENGTH:

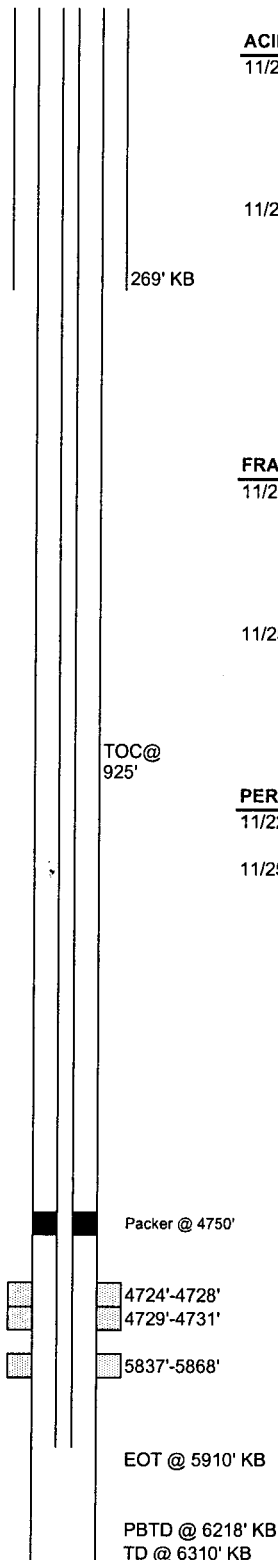
PUMP NUMBER:
PUMP SIZE:

STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:

PRIME MOVER:

TANKS:
Tank #1 SN:
Tank #2 SN:

LOGS:



ACID JOB /BREAKDOWN

DATE	DEPTH	SERVICES
11/22/96	5837'-5868'	BJ Services: 3234 Gal 2% KCL wt w/ 124 ball sealers. Ball action but no ball off. ATP= 2800 psi, ATR= 5.5 bpm, ISIP= 1700 psi.
11/25/96	4724'-4728' 4729'-4731'	BJ Services: 2100 gal 2% KCL wtr w/ 48 ball sealers. Ball action but no ball off. ATP= 2200 psi, ATR= 3.8 bpm, ISIP 1350 psi.

FRAC JOB

DATE	DEPTH	SERVICES
11/25/96	5837'-5868'	BJ Services: 23,392 gal 2% KCL wtr w/ 29,440# 20/40 sand & 50,660# 16/30 sand. ATP= 2740 psi, ATR= 33.8 bpm, ISIP= 3250 psi, 5 min= 2570 psi, 10 min= 2030 psi.
11/25/96	4724'-4728' 4729'-4731'	BJ Services: 10,878 gal 2% KCL wtr w/ 24,000# 16/30 sand. ATP= 1700 psi, ATR= 25.1 bpm, ISIP= 1660 psi, 5 min= 1330 psi, 10 min= 1240 psi, 15 min= 1200 psi, 30 min= 1100 psi.

PERFORATION RECORD

DATE	TYPE	DEPTH	SPF
11/22/96	Cutter WL	5837'-5868'	2 SPF
11/25/96	Cutter WL	4724'-4728'	?
		4729'-4731'	?

WORK PROCEDURE FOR INJECTION CONVERSION

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**
 - 2.1 The name and address of the operator of the project.**

Inland Production Company
410 17th Street, Suite 700
Denver, Colorado 80202
 - 2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A
 - 2.3 A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #23-22 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Canvasback Unit.

A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.
 - 2.4 The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Douglas Creek Member of the Green River Formation. At the Monument Federal #23-22 well, the proposed injection zone is from 4724'-5868'. The confining stratum directly above and below the injection zone is the Douglas Creek Member of the Green River Formation, with the Douglas Creek Marker top at 4724'.
 - 2.5 A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #23-22 is on file with the Utah Division of Oil, Gas and Mining.

- 2.6 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.7 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.8 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.9 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #U-77233), in the Monument Butte (Green River) Field, Canvasback Unit, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachment A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 279' GL, and the 5-1/2" casing run from surface to 6271' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1629 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The fracture gradient for the Monument Federal #23-22, for proposed zones (4724' – 5868') calculates at .78 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1629 psig. See Attachment G through G-2.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Monument Federal #23-22, the injection zone (4724'-5868') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31', and is confined to the Monument Butte Field. Outside the Monument Butte Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

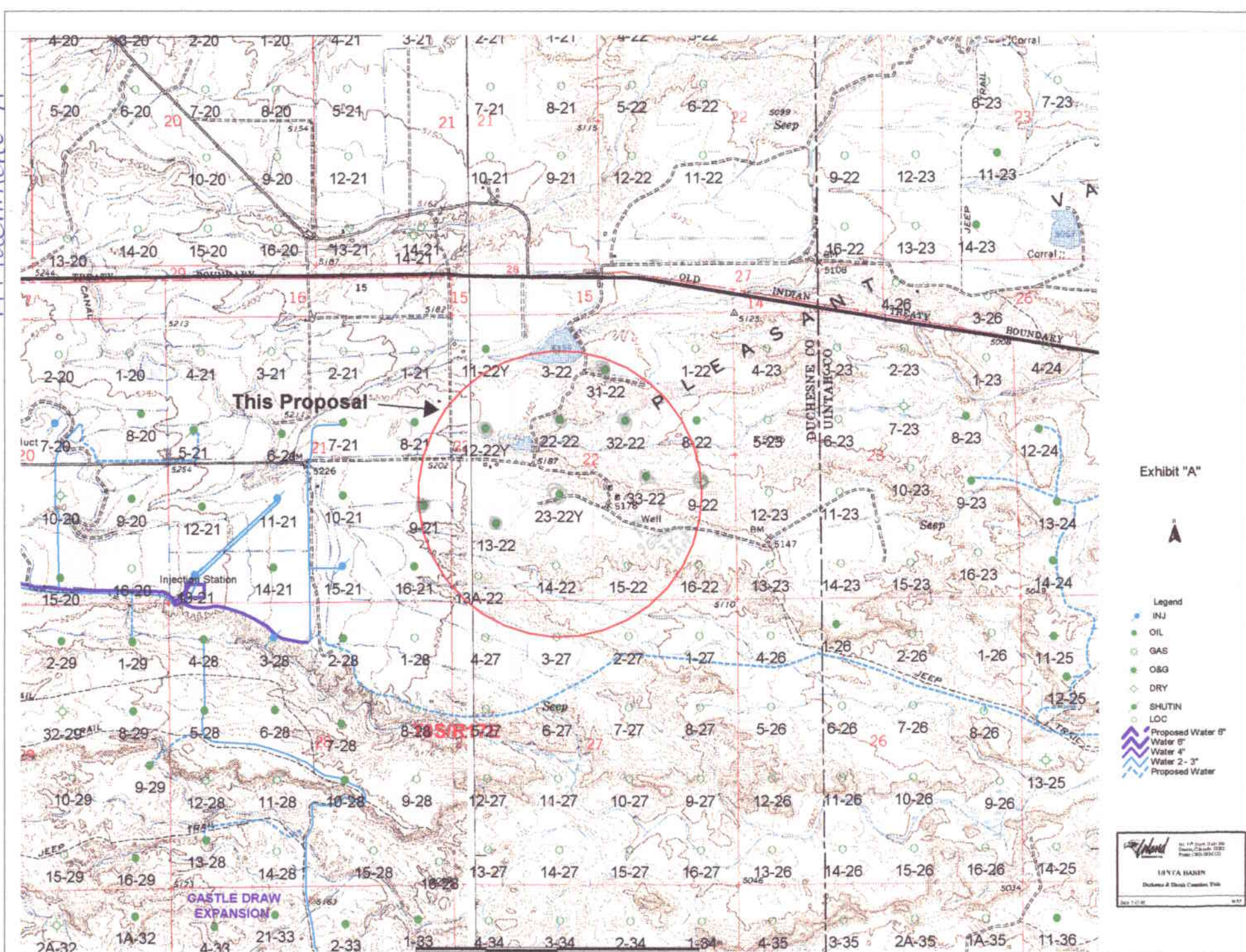
2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Inland Production Company will supply any requested information to the Board or Division.

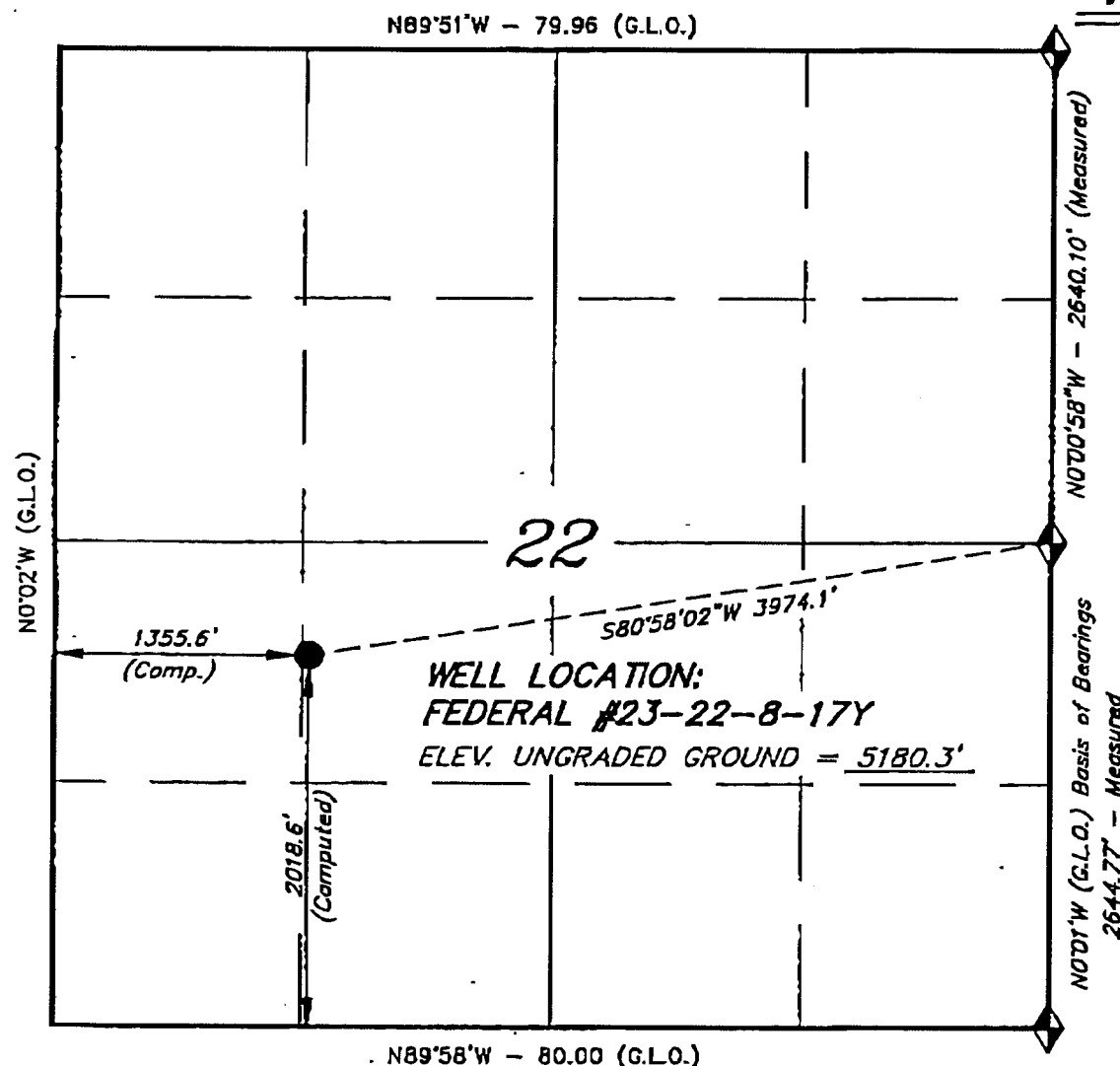
Attachment A



T8S, R17E, S.L.B.&M.

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, FEDERAL #23-22-8-17Y,
LOCATED AS SHOWN IN THE NE 1/4 SW 1/4
OF SECTION 22, T8S, R17E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.

RECEIVED
FOR
STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. 144102
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. O.S.
DATE: 7-16-96	WEATHER: HOT
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED
BASIS OF BEARINGS; G.L.O. DATED 1910
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

7. 4:43PM

Attachment A-1

EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	Township 8 South, Range 17 East Section 14: All Section 15: All Section 22: W/2NW/4	U-66191 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroluem Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	Township 8 South, Range 17 East Section 22: NE/4, E/2NW/4, S/2	U-77233 HBP	Inland Production Company	(Surface Rights) USA
3	Township 8 South, Range 17 East Section 21: N/2NE/4, SW/4NE/4	L. Clark Roberts HBP	Inland Production Company	(Surface Rights) L. Clark Roberts
4	Township 8 South Range 17 East Section 17: All Section 18: Lots 1,2 Section 19: E/2 Section 20: All Section 21: W/2, SE/4	UTU-76954 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
(Pg 1 of 2)

EXHIBIT B

Page 2

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
5	Township 8 South, Range 17 East Section 26: S/2SW/4, SW/4SE/4 Section 27: All Section 28: All Section 33: N/2NE/4, SW/4NE/4, W/2NW/4 S/2 Section 34: N/2, W/2SW/4, SE/4SW/4, N/2SE/4, SW/4SE/4	U-76241 HBP	Inland Production Company	(Surface Rights) USA

Attachment B
Pg 2 of 2)

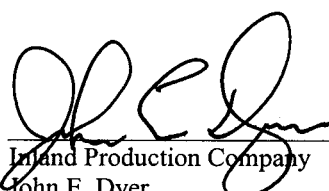
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Monument Federal #23-22

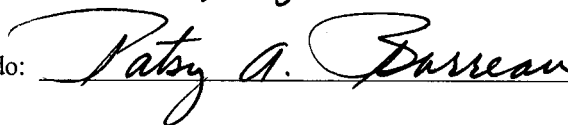
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Inland Production Company
John E. Dyer
Chief Operating Officer

Sworn to and subscribed before me this 31st day of July, 1998.

Notary Public in and for the State of Colorado: _____





My Commission Expires 11/14/2000



Elev.GR -5190" GL
Elev.KB - 5200" KB

WELLBORE DIAGRAM

Attachment E-

Monument Federal #23-22-8-17Y
Monument Butte
U-67845
Section 22, T8S, R17E

Duchesne County, Utah

DATE : 2/13/97 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 269'
DEPTH LANDED: 279' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: No data given in report

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6261'
DEPTH LANDED: 6271' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sks super"G", 3% salt,
2% gel, 2#/sk KOL-seal,
1/4#/sk Cello-flake, Tail w/
435 sks 50/50 POZ, 2% gel,
1/4#/sk Cello-flake, 2#/sk
Kol-seal.

CEMENT TOP AT: 925' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: 150 Jts (4666.49')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 39 Jts (1231.14')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x27.61' w/notched-pinned collar
STRING LENGTH: 5933.29'
SN LANDED AT: 5910.38' KB

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x2' Pony
1-3/4"x6' Pony
1-3/4"x8' Pony

NOTE: Rod count is 50' long
compared to tubing tally.

TOTAL STRING LENGTH: 5963'

PUMP NUMBER: Trico #1202
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 72 inches
PUMP SPEED, SPM: 6
PUMPING UNIT SIZE: Lufkin 160-200-74
SN: 507-53725

PRIME MOVER: Ajax EA-30
SN: 66240

TANKS: 2-400 BBL, Natco 12'x20'
Tank #1 SN: 9D-881-07
Tank #2 SN: ??

LOGS: Compensated Neutron
Litho-Density Gamma Ray;
Dual Laterolog w linear correlation
gamma ray; CBLGR.

ACID JOB /BREAKDOWN

11/22/96 5837'-5868' BJ Services: 3234 Gal 2% KCL
wt w/ 124 ball sealers. Ball
action but no ball off. ATP=
2800 psi, ATR= 5.5 bpm,
ISIP= 1700 psi.

11/25/96 4724'-4728'
4729'-4731' BJ Services: 2100 gal 2% KCL
wtr w/ 48 ball sealers. Ball
action but no ball off. ATP=
2200 psi, ATR= 3.8 bpm, ISIP
1350 psi.

FRAC JOB

11/25/96 5837'-5868' BJ Services: 23,392 gal 2% KCL wtr
w/ 29,440# 20/40 sand & 50,660#
16/30 sand. ATP= 2740 psi,
ATR= 33.8 bpm, ISIP= 3250 psi,
5 min= 2570 psi, 10 min= 2030 psi.

11/25/96 4724'-4728'
4729'-4731' BJ Services: 10,878 gal 2% KCl
wtr w/ 24,000# 16/30 sand. ATP=
1700 psi, ATR= 25.1 bpm, ISIP=
1660 psi, 5 min= 1330 psi, 10 min=
1240 psi, 15 min= 1200 psi, 30 min=
1100 psi.

PERFORATION RECORD

11/22/96 Cutter WL 5837'-5868' 2 SPF

11/25/96 Cutter WL 4724'-4728' ?
4729'-4731' ?

269' KB

TOC@
925'

4724'-4728'

4729'-4731'

5837'-5868'

SN @ 5910' KB

EOT @ 5910' KB

PBTD @ 6218' KB

TD @ 6310' KB

Spud Date: 1-21-98
P&A'd: 1-30-98

Pariette Draw #9-22

Wellbore Diagram

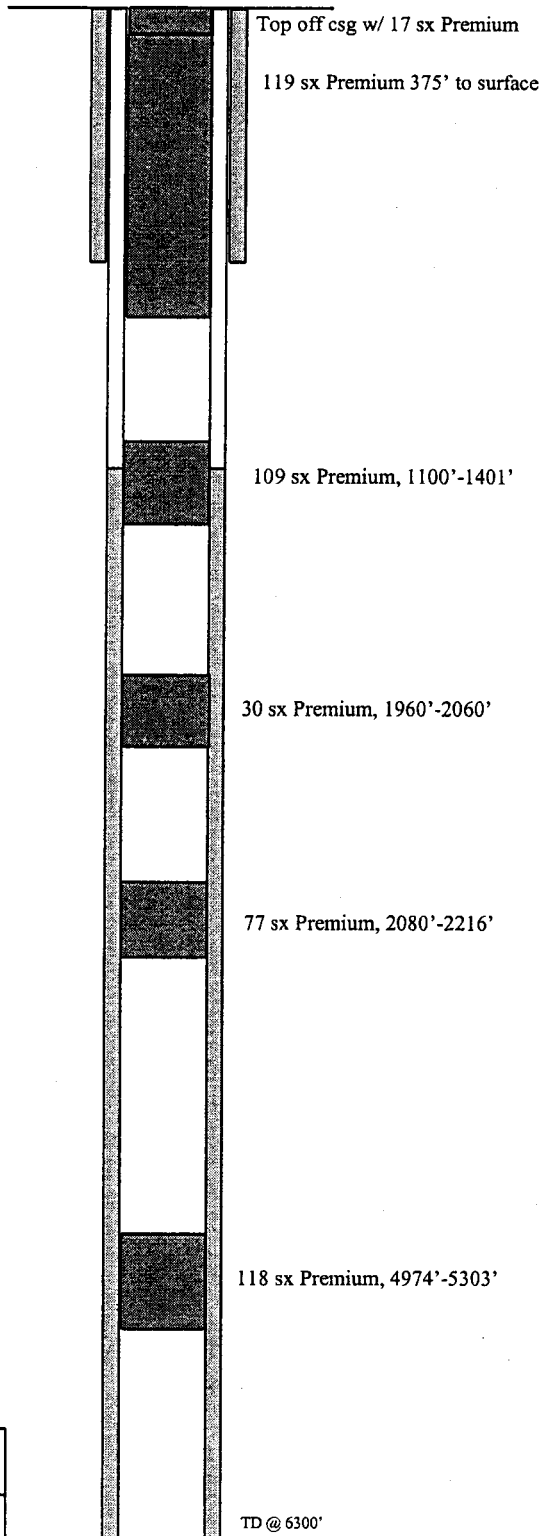
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294')
DEPTH LANDED: 303'
HOLE SIZE: 12-1/4"
CEMENT DATA: 140 sx Premium, est 6 bbls cmt to surface

PRODUCTION CASING

No production casing run.

LOGS: DIGL/SP/GR/CAL 6294'-302'
DSN/SDL/GR 6264'-3000'



Inland Resources Inc.

Pariette Draw #9-22

2174 FSL 557 FEL

NESE Section 22-T8S-R17E

Duchesne Co, Utah

API #43-013-31813; Lease #UTU-76240



Elev.GR - 5192' GL
Elev.KB - 5202' KB (10' KB)

WELLBORE DIAGRAM

Attachment E-2

BALCRON FEDERAL #12-22Y
SW NW Sec. 22, T8S, R17E
2105' FNL, 660' FWL
LEASE #U-66191
Undesignated Field
Duchesne County, Utah

DATE : 2/28/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 9 jts (394.88 ft)
DEPTH LANDED: 404.88' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: Western - 250 sxs class "G" w/
2% CCI & 1/4 #/sx celloseal

405' KB

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 156 jts (6575.52 ft)
DEPTH LANDED: 6584.52' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: Western - 130 sxs super "G" w/
(47# "G" + 20# Poz + 17#
CSE)/sk + 3% salt + 2% gel +
(2# Hi-Seal + 1/4 #Cello-seal)/sk,
tailed w/ 480 sxs 50/50 Poz + 2%
gel + (1/4# Cello-seal + 2#
Hi-Seal 2)/sk.

CEMENT TOP AT: 2983' KB CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (4745.93 ft)
TUBING ANCHOR: Trico (2.8 ft) set w/ 13" tension
NO. OF JOINTS: 49 jts (1512.20 ft)
SEATING NIPPLE: 2-7/8" x 1.1'
PERFORATED SUB: 2-7/8" x 4' (3.9 ft)
MUD ANCHOR: 1 jt (30.56 ft)
TOTAL STRING LENGTH: 6296.49 ft (EOT @ 6306.49' KB)
SN LANDED AT: 6272.03' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1 - 3/4" x 4' Pony
250 - 3/4" x 25' D-61 Plain

TOTAL ROD STRING LENGTH: 6270.5 ft

PUMP NUMBER: Trico # 1096
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RWAC
w/ PA plunger

STROKE LENGTH: 89 in
PUMP SPEED, SPM: 4.2 SPM
PUMPING UNIT SIZE: American 320G (320-256-120)
PRIME MOVER: Ajax E-42

LOGS: CBL-GR, Compensated Neutron
Litho-Density Gamma Ray, Dual
Laterolog w/ linear correlation log
Gamma Ray

ACID JOB /BREAKDOWN

1/17/95	6221' - 6248'	Western - 2856 gal 2% KCl water w/ 125 ball sealers. ATP-2400 psi, Max-5000psi, ATR-6 bpm, Max - 6 bpm. ISIP-1650 psi. Surged balls off. Frac Gradient - 0.704
4/26/95	5348' - 5353'	Western - 3696 gal 2% KCl water w/ 14 ball sealers. No Ball off. ATP - 2400#, Max-5000#, ATR-4.2 bpm. ISIP-1000 #
4/26/95	5472' - 5475' & 5479' - 5481'	Western - 2940 gal 2% KCl water w/ 14 ball sealers. Balled Off. ATP-2000#, Max-5000#, ATR-3.9 bpm. ISIP-1400 psi.
5/1/95	4804' - 4817'	BJ - 2898 gal 2% KCl water w/ 100 ball sealers. Ball action. ATP-2500#, Max-3800#, ATR-6 bpm, Max-6.1. ISIP-980#

FRAC JOB

1/17/95	6221' - 6248'	Western - 12,600 gal 2% KCl water pad, followed by 33,390 gal 2% KCl w/ 80,040 # 20/40 + 87,580# 16/30. Flushed w/ 6218 gal 2% KCl water. ATP-1900, Max-2400#, ATR-32.8 bpm, Max-33.4 bpm. ISIP - 2000 psi, 5min-1920, 10min-1800, 15min-1750, 30min-1650psi. Force closure flow back 0.5bpm, 30min=1.5 bbl.FracGrad-0.761
4/26/95	5348' - 5353' & 5472' - 5475' & 5479' - 5481'	Western - 3000gal 2% KCl water pad followed by 11,500 gal 2% KCl gel w/ 26,920 # 20/40 + 38,000 # 16/30 sand, Flushed w/ 5345 gal 2% KCl water. ATP-2200#, Max-2830 #, ATR-33 bpm, Max-34.5 bpm, ISIP-1680 psi. 5min-1440, 10min-1300, 15min-1230 psi.
5/1/95	4804' - 4817'	BJ - 2982 gal 2% KCl water pad, followed by 19,026 gal 2% KCl gel w/ 80,400 # 16/30 sand. ATP-1850#, Max-2300#, ATR-30 bpm, Max-30.6 bpm. ISIP-1900 psi, 5 min-1570#, 10min-1480, 15min-1400, 30min-1250.

PERFORATION RECORD

1/17/95	6221' - 6248'	2 SPF	27 ft	54 holes
4/26/95	5348' - 5353'	5 ft	7 holes	
4/26/95	5472' - 5475'	3 ft	4 holes	
4/26/95	5479' - 5481'	2 ft	3 holes	
4/28/95	4804' - 4817'	4 SPF	13 ft	52 holes

SN LANDED @ 6272' KB
EOT LANDED @ 6306' KB

PBTD @ 6538.67' KB
TD @ 6600' KB



Elev.GR -5190" GL
Elev.KB - 5200" KB

WELLBORE DIAGRAM

Attachment E-3

Monument Federal #13-22-8-17Y
Monument Butte
U-67845
NW SW Section 22, T8s, R17E
1446' FSL, 863' FWL
Duchesne County, Utah

DATE : 7/23/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 248' (6 Jts)
DEPTH LANDED: 258' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ Services: 160 sks "G"
w/2% CaCl₂, 1/4#/sk
Cello-Flake.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6337.08' (150 Jts)
DEPTH LANDED: 6347.08'
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 325 sks
Super "G", 3% salt, 2%
gel, 2#/sk KOI Seal,
1/4#/sk Cello-Flake'
Tail w/ 390 sks 50/50 POZ
25 gel, 1/4#/sk Cello Flake,
2#/sk KOL seal.

CEMENT TOP AT: 1440' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
NO. OF JOINTS: 152 Jts (4674.82')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75' Trico
NO. OF JOINTS: 38 Jts (1174.91')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x28.77'
STRING LENGTH: 5886.95'
SN LANDED AT: 5863.58' KB

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 232-3/4"x25' D-61 Plain
1-7/8"x2' Pony
1-1-1/2"x25' K-Bar
1-7/8"x2' Pony w/ guide
TOTAL STRING LENGTH: 5851'

PUMP NUMBER: Trico #1170
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC

STROKE LENGTH: 84 inches
PUMP SPEED, SPM: 6-1/2 SPM
PUMPING UNIT: Lufkin C3200-305-100
PRIME MOVER: Ajax E-42

LOGS: CBL/GR
Dual Laterolog w/ linear
Correlation GR
Compensated Neutron
Litho Density GR Log

ACID JOB /BREAKDOWN

6/3/96	5808'-5810'	BJ Services: 2142 gal
	5820'-5823'	2% KCL wtr w/ 72 ball
	5827'-5831'	sealers. Balled out.
		ATP=2500 psi, ATR= 4.3 bpm, ISIP=1650 psi.
6/4/96	5668'-5671'	BJ Services: 2% KCL wtr
	5674'-5676'	w/ 104 ball sealers. Balled
	5680'-5688'	out. ATP=2100 psi, ATR= 4.4 bpm, ISIP=1600 psi.
6/7/96	4746'-4723'	BJ Services: 2478 gal 2%
	4772'-4776'	KCL wtr w/ 104 ball sealers,
	4778'-4780'	Balled out. ATP=2100 psi, ATR=4.7 bpm, ISIP=1500 psi.

FRAC JOB

6/3/96	5808'-5810'	BJ Services: 12,180 gals
	5820'-5823'	2% KCL wtr w/ 14,800 #
	5827'-5831'	16/30 sand. ATP=2600 psi, ATR=32.8 bpm, ISIP=2180 psi, 5 min=1930, 10 min= 1860 psi, 15 min=1820 psi.
6/4/96	5668'-5671'	BJ Services: 11,130 gal
	5674'-5676'	2% KCL wtr w/ 12,500#
	5680'-5688'	16/30 sand. ATP=2050 psi, ATR=32.5 bpm, ISIP= 1700 psi, 5 min=1560 psi, 10 min=1470 psi, 15 min= 1400 psi, 30 min=1280 psi.
6/7/96	4746'-4723'	BJ Services: 9954 gal 2%
	4772'-4776'	KCL wtr w/ 13,420 # 16/30
	4778'-4780'	sand. ATP=2200 psi, ATR= 33.8 bpm, 5 min=1550 psi, 10 min=1470 psi, 15 min= 1410 psi, 30 min=1280 psi.

PERFORATION RECORD

4772'-4776'	6/3/96	Schlumberger	5808'-5810'	4 SPF
4778'-4780'			5820'-5823'	4 SPF
			5827'-5831'	4 SPF
5668'-5671'	6/4/96	Schlumberger	5668'-5671'	4 SPF
5674'-5676'			5674'-5676'	4 SPF
5680'-5688'			5680'-5688'	4 SPF
5680'-5688'	6/6/96	Schlumberger	4746'-4753'	4 SPF
5808'-5810'			4772'-4776'	4 SPF
5820'-5823'			4778'-4780'	4 SPF
5827'-5831'				

SN LANDED @ 5863.58' KB
EOT LANDED @ 5896.95' KB

PBTD @ 6299' KB
TD @ 6400' KB



Elev.GR - 5159' GL
Elev.KB - 5169'KB (10' KB)

WELLBORE DIAGRAM

Attachment E-4

BALCRON FEDERAL #22-22-8-17Y
SE NW Sec. 22 T9S, R17E
1945' FNL, 2030' FWL
U-67845
Monument Butte Field
Duchesne County, Utah

DATE : 2/28/96 vk

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts (321.90 ft)
DEPTH LANDED: 332' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ - 215 sxs class "G" + 2%
CaCl2 + 1/4 #/sk Cello-Seal

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts (6372.92 ft)
DEPTH LANDED: 6386' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ - 140 sxs Super "G" w/ (47# "G" +
3# Poz + 34# BA-91)/sk + 2% gel +
(2# Hi-Seal 2 + 1/4 # Cello-Seal)/sk
tailed by 484 sxs 50/50 Poz + 2% gel +
(1/4# Cello-Seal + 2# Hi-Seal 2)/sk

CEMENT TOP AT: 2690' KB per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 154 jts (4697.61 ft)
TUBING ANCHOR: Trico (2.35 ft)
NO. OF JOINTS: 42 jts (1274.05 ft)
SEATING NIPPLE: 2-7/8" (1.1 ft)
PERFORATED SUB: 2-7/8" (4.2 ft)
MUD ANCHOR: 1 jt w/ pinned NC (26.10 ft)
TOTAL STRING LENGTH: 6005.41 ft (EOT @ 6015.41' KB)
SN LANDED AT: 5985.11' KB

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 5 - 3/4" x 4' Pony
239 - 3/4" x 25' D-61 Plain

TOTAL ROD STRING LENGTH: 6011.50 ft

PUMP NUMBER: Trico #1126
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC
w/ PA plunger

STROKE LENGTH: 88 in
PUMP SPEED, SPM: 4.5 SPM
PUMPING UNIT SIZE: National F 228-246C-86
PRIME MOVER: Ajax EA-30

two - 400 bbl vert. tanks
one - 100 bbl open top tank
one - treater National 12"x5' Horiz

LOGS: Dual Laterolog w/ caliper, GR, SP, & Tension
curve. Spectral Density/Dual Spaced Neutron
w/ caliper, GR, & tension curve. CBL/GR

ACID JOB /BREAKDOWN

10/27/95 5861' - 5950' (150 holes) BJ - 1420 gal 2% KCl gel, break
down in 2' segments. No Break: 5924' - 5914',
Break : 5950', 5936' - 5921', circulated rest.
1/31/96 4748' - 4793' (72 holes) BJ - 3570 bbls 2% KCl water w/
150 balls. Ball Action, no ball off. ATP-2800,
Max-4100#, ATR-5.4 bpm, ISIP- 1400 psi.

FRAC JOB

1/31/96 4748' - 4793' BJ - 5000 gal 2% KCl wtr pad, followed by
21,000 gal 2% KCl gel w/ 111,640# 16/30 sand,
flush w/ 4704 gal 2% KCl water. ATP-1800psi,
Max-2410 psi, ATR-33.4 bpm, Max-33.7 bpm,
ISIP-2000psi, 5min-1580, 10min-1490, 15min-
1380, 30min-1180psi. Frac Gradient - 0.859

PERFORATION RECORD

EOT - 2690' KB	10/26/95	5932' - 5950'	2 SPF (18 ft)	36 holes
	10/26/95	5925' - 5929'	2 SPF (4 ft)	8 holes
	10/26/95	5891' - 5920'	2 SPF (29 ft)	58 holes
	10/26/95	5876' - 5888'	2 SPF (12 ft)	24 holes
	10/26/95	5861' - 5873'	2 SPF (12 ft)	24 holes
	1/29/96	5772' - 5780'	4 SPF (8 ft)	32 holes
	1/29/96	5792' - 5796'	4 SPF (4 ft)	16 holes
	1/30/96	4748' - 4752'	4 SPF (4 ft)	16 holes
	1/30/96	4770' - 4778'	4 SPF (8 ft)	32 holes
	1/30/96	4780' - 4784'	4 SPF (4 ft)	16 holes
	1/30/96	4791' - 4793'	4 SPF (2 ft)	8 holes

4748'-4752'
4770'-4778'
4780'-4784'
4791'-4793'

5772'-5780'
5792'-5796'

5861'-5873'
5876'-5888'
5891'-5920'
5925'-5929'
5932'-5950'

SN LANDED @ 5985.11' KB
EOT LANDED @ 6015.41' KB

PBTD @ 6337.88' KB
TD @ 6400' KB



Elev.GR - 5160' GL
Elev.KB - 5170' (10' KB)

WELLBORE DIAGRAM

Attachment E-5
Monument Federal #31-22-8-17
Monument Butte
U-67845
NW NE Section 22, T8S, R17E
1036' FNL, 2338' FEL
Duchesne County, Utah

DATE : 7/24/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 249.90' (6 Jts)
DEPTH LANDED: 259.90' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sks "G", w/ 2% CaCl₂,
1/4#/sk celloseal.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6313.57'
DEPTH LANDED: 6323.57' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 160 sks Super "G" w/ 47#/sk
G, 34#/sk BA91, 3% salt,
2% gel, 2#/sk Kolseal,
1/3#/sk cello-flake.
tail w/ 425 sks 50/50 POZ, 25 gel,
1/4#/sk cello flake, 2#/sk Kolseal.

CEMENT TOP AT: 2066' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/ J-55/ 6.5#
NO. OF JOINTS: 170 Jts (5217.52')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75' (Trico)
NO. OF JOINTS: 26 Jts (803.48')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x29.72'
STRING LENGTH: 6059.17'
SN LANDED AT: 6033.75'

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 240-3/4"x25' D-54 Plain
1-7/8"x2' Pony w/2-1/2" guide
1-1/2"x25' K-Bar
1-7/8"x2' Pony w/2-1/2" guide

TOTAL STRING LENGTH: 6051'

PUMP NUMBER: Trico #1168
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC
w/ SM plunger.
STROKE LENGTH: 85"
PUMP SPEED, SPM: 9.3 SPM
PUMPING UNIT:
PRIME MOVER:

LOGS: Dual Laterolog w/ linear
Correlation GR
Compensated Neutron
Litho Density GR
CBL/GR

ACID JOB /BREAKDOWN

5/20/96 5936'-5950' BJ Services: 2000 gal 15%
5960'-5965' HCL + 3460 gal % KCL wtr,
5971'-6010' w/250 ball sealers. ATP=
2100 psi, ATR=4.1 bpm,
ISIP=1900 psi.

5/28/96 5509'-5515' BJ Services: 2184 gals 2%
5534'-5538' KCL wtr w/ 80 ball sealers.
Balled out. ATP=2250 psi,
ATR=4.5 bpm, ISIP=950 psi.

259.90' KB

FRAC JOB

5/22/96 5936'-6010' BJ Services: 5880 gals 2%
KCL wtr w/ 21,260# 20/40
sand & 39,040# 16/30
sand. ATP=2600 pis, ATR=
42.0 bpm, ISIP=2650 psi,
5 min=2000 psi, 10 min=
1700 psi, 15 min=1520 psi,
30 min=1300 psi.

5/29/96 5509'-5515' BJ Services: 10,290 gal
5534'-5538' 2% KCL wtr & 13,220#
16/30 sand. ATP=2000 psi,
ATR=30.8 bpm, ISIP=
1750 psi, 5 min=1370 psi,
10 min=1280 psi, 15 min=
1190 psi, 30 min=1100 psi.

TOC@
2066' KB

PERFORATION RECORD

5/17/96	Schlumberger	5936'-5950'	4 SPF
		5960'-5965'	4 SPF
		5971'-6010'	4 SPF
5/28/96	Schlumberger	5509'-5515'	4 SPF
		5534'-5538'	4 SPF

5509'-5515'

5534'-5538'

5936'-5950'

5960'-5965'

5971'-6010'

SN LANDED @ 6033.75' KB
EOT LANDED @ 6069.17' KB

PBTD @ 6282' KB
TD @ 6350' KB



Elev.GR - 5120' GL
Elev.KB - 5130' (10' KB)

WELLBORE DIAGRAM

DATE : 7/24/96 DZ

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 250 ft
DEPTH LANDED:
HOLE SIZE: 12-1/4"
CEMENT DATA:

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6348.61'
DEPTH LANDED: 6358.61' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ Services: 220 sks
Super "G", 2#/sk KOL-Seal
3% salt, 2% gel, 1/4#/sk
Cello-Flake. Tail w/
445 sks 50/50 POZ, 2% gel
1/4#/sk Cello-Flake
2#/sk Kol-Seal.

CEMENT TOP AT: 1702' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE/J-55/6.5#
NO. OF JOINTS: 146 Jts (4465.04')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 33 Jts (1023.80')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x28.41'
STRING LENGTH: 5525.70'
SN LANDED AT: 5501.59' KB

SUCKER RODS

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 1-3/4"x4' Pony
1-3/4"x8' Pony
218-3/4"x25' D-54 Plain
1-7/8"x2' Pony w/2.5" guide
1-1/1/2"x25' K-Bar
1-7/8"x2' Pony w/2.5" guide

TOTAL STRING LENGTH: 5513'

PUMP NUMBER: Trico #1173
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC
w/ SM Plunger.
STROKE LENGTH: 89 inches
PUMP SPEED, SPM: 3-1/2 SPM
PUMPING UNIT: American 320-213-120
PRIME MOVER: Ajax E-42

LOGS: CBL/GR

MONUMENT FEDERAL # 8-17
SW NE Sec. 22, T8S R17E
1980' FNL, 1980' FEL
Lease #U67845
Monument Butte Field (Pariette Draw Area)
Duchesne County, Utah

Attachment E-6

ACID JOB /BREAKDOWN

6/11/96	5447'-5460'	BJ Services: 2646 gals 2% KCL wtr & 104 ball sealers. Balled out. ATP= 2550 psi, ATR=5.8 bpm, ISIP=1000 psi.
6/12/96	4501'-4509' 4511'-4513'	BJ Services: 2352 gal 2% KCL wtr w/ 80 ball sealers. Ball action but no ball out. ATP=2000 psi, ATR=5.0 bpm, ISIP=1200 psi.

FRAC JOB

6/12/96	5447'-5460'	BJ Services: 9324 gal 2% KCL wtr & 13,000# 16/30 sand. ATP=1700 psi, ATR= 31.3 bpm, ISIP=1400 psi, 5 min=1150 psi, 10 min= 1100 psi, 15 min=1080 psi.
6/12/96	4501'-4509' 4511'-4513'	BJ Services: 9576 gal 2% KCL wtr w/ 12,800# 16/30 sand. ATP=2140 psi, ATR=31.5 bpm, ISIP= 1650 psi, 5 min=1200 psi, 10 min=1190 psi, 15 min= 1160 psi, 30 min=1100 psi.

PERFORATION RECORD

6/11/96	Cutter	5447'-5460'	4 SPF
6/12/96	Cutter	4501'-4509' 4511'-4513'	4 SPF 4 SPF

TOC @
1702'

4501'-4509'

4511'-4513'

5447'-5460'

SN LANDED @ 5502' KB
EOT LANDED @ 5535.70' KB

PBTD @ 6312' KB
TD @ 6400' KB

Boundary Federal #9-21

Injection Diagram

Well History:

8-23-95	Spud Well	
9-16-95	Perf: 6,190'-6,201', 6,115'-6,144'	GL: 5,209'
9-20-95	Frac CP-1 and CP-2 zones as follows: Totals 33,050 gal, 163,350#20/40 sd Max TP 1,895 @ 36.4 BPM Avg TP 1,450 @ 35 BPM ISIP 1,895, after 5 min 1,822	Surface Hole Size: 12 1/4" Hole Size: 7 7/8"
9-21-95	Perf: 5,860'-5,876', 5,879'-5,884'	
9-22-95	Frac LODC zone as follows: Totals 31,000 gal, 152,000# 20/40sd Max TP 2,520 @ 41.3 BPM Avg TP 2,200 @ 38 BPM ISIP 2,300, after 5 min 2,243	Rods: 190-3/4"
9-23-95	Perf: 5,448'-5,453'	8-5/8" Surface csg @ 314' w/140sxs premium cement
9-24-95	Frac C-Sd zone as follows: Totals 12,960 gal, 60,000# 20/40 sd Max TP 3,980 @ 27.8 BPM Avg TP 1,550 @ 25 BPM ISIP 1,462, after 5 min. 1,365	Cement Top @ 981'
9-26-95	Perf: 4,828'-4,848'	5-1/2" J-55 csg @ 6,430' w/335sxs Hifill, 400sxs Premium
9-27-95	Frac GB-7 zone as follows: Totals 27,457 gal, 79,700# 16/30 sd Max TP 2,450 @ 26.6 BPM Avg TP 1,900 @ 24.5 BPM ISIP 2,237, after 5 min. 2,131	2-7/8" 6.5 J-55 TBG @ 5,940'

Packer @ 4780'

Perf's: 4,828'-48'(PB-7)

Perf's: 5,448'-53'(C-SD)

Perf's: 5,860'-76', 5,879'-84'(LODC)

Perf's: 6,115'-44(CP-1)

Perf's: 6,190'-6,201'(CP-2)

PBTD @ 6,368'

TD @ 6,400'



Inland Resources Inc.

Boundary Federal #9-21

1980 FSL 660 FEL

NESE Section 21-T8S-R17E

Duchesne Co, Utah

API #43-013-31542; Lease #U-50376

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727

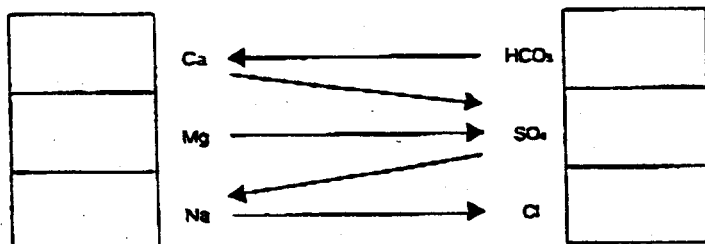
Attachment F

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-14-98
 Source Johnson Water Date Sampled _____ Analysis No. _____
FRESH WATER

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO ₃)		CO ₃ <u>0</u>	+ 30 <u>0</u> CO ₃
6. Bicarbonate (HCO ₃)		HCO ₃ <u>300</u>	+ 61 <u>5</u> HCO ₃
7. Hydroxyl (OH)		OH <u>0</u>	+ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	+ 35.5 <u>1</u> Cl
9. Sulfates (SO ₄)		SO ₄ <u>110</u>	+ 48 <u>2</u> SO ₄
10. Calcium (Ca)		Ca <u>44</u>	+ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>22</u>	+ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
Ca(HCO ₃) ₂	81.04	<u>2</u>			<u>162</u>
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
MgSO ₄	60.19				
MgCl ₂	47.62				
NaHCO ₃	64.00	<u>1</u>			<u>84</u>
Na ₂ SO ₄	71.03	<u>2</u>			<u>142</u>
NaCl	58.46	<u>1</u>			<u>59</u>

Saturation Values**Distilled Water 20°C**

CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

WATER ANALYSIS REPORT

Company INLAND Address _____ Date 01-27-98

Source BOLINDARY FED. 9-21 Date Sampled _____ Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>9.2</u>		
2. H ₂ S (Qualitative)	<u>5</u>		
3. Specific Gravity	<u>1.014</u>		
4. Dissolved Solids		<u>15,798</u>	
5. Alkalinity (CaCO ₃)	CO ₃	<u>120</u>	÷ 30 <u>4</u> CO ₃
6. Bicarbonate (HCO ₃)	HCO ₃	<u>1,100</u>	÷ 61 <u>18</u> HCO ₃
7. Hydroxyl (OH)	OH	<u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)	Cl	<u>8,500</u>	÷ 35.5 <u>239</u> Cl
9. Sulfates (SO ₄)	SO ₄	<u>0</u>	÷ 48 <u>0</u> SO ₄
10. Calcium (Ca)	Ca	<u>8</u>	÷ 20 <u>0</u> Ca
11. Magnesium (Mg)	Mg	<u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO ₃)		<u>110</u>	
13. Total Iron (Fe)		<u>0.8</u>	
14. Manganese			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

	Compound	Equiv. Wt.	X	Meg/l	=	Mg/l
0	Ca(HCO ₃) ₂	81.04				
2	CaSO ₄	68.07				
	CaCl ₂	55.50				
	Mg(HCO ₃) ₂	73.17	<u>2</u>			<u>146</u>
	MgSO ₄	60.19				
	MgCl ₂	47.62				
	NaHCO ₃	84.00	<u>20</u>			<u>1,680</u>
	Na ₂ SO ₄	71.03				
	NaCl	58.46	<u>239</u>			<u>13,972</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

03-04-98

WATER DESCRIPTION:	JOHNSON WATER	BF 9-21
P-ALK AS PPM CaCO ₃	0	200
M-ALK AS PPM CaCO ₃	492	1804
SULFATE AS PPM SO ₄	110	0
CHLORIDE AS PPM Cl	35	8500
HARDNESS AS PPM CaCO ₃	0	0
CALCIUM AS PPM CaCO ₃	110	20
MAGNESIUM AS PPM CaCO ₃	90	90
SODIUM AS PPM Na	92	5957
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	15798
TEMP (DEG-F)	150	150
SYSTEM pH	7	9.2

WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND BF 9-21

CONDITIONS: TEMP.=150AND pH=8.1

WATER ONE IS JOHNSON WATER

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.43	36	0	0	0
90	1.44	33	0	0	0
80	1.43	30	0	0	0
70	1.40	27	0	0	0
60	1.36	24	0	0	0
50	1.31	21	0	0	0
40	1.24	18	0	0	0
30	1.15	15	0	0	0
20	1.05	12	0	0	0
10	.94	8	0	0	0
0	.78	5	0	0	0

Attachment G

Monument Federal #23-22
Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5868	5837	5853	3250	0.99	3256
4724	4731	4728	1660	0.78	1629
				Minimum	1629

Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$$

where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.005.

Frac Gradient is obtained from the service company's frac summary report.

ATTACHMENT G-1

FRACTURE REPORT DATED 11-25-96

(Inland does not have actual copies of the fracture reports. This information was obtained from the wellbore schematic)

11-25-96	5837'-5868'	BJ Services: 23,392 gal 2% KCL water w/29,440# 20/40 sand & 50,660# 16/30 sand. Average treating pressure 2740 psi, w/average treating rate of 33.8 BPM. ISIP – 3250 psi, 5 min 2570 psi, 10 min 2030 psi.
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ATTACHMENT G-2

FRACTURE REPORT DATED 11-25-96

(Inland does not have actual copies of the fracture reports. This information was obtained from the wellbore schematic)

11-25-96	4724'-4731'	BJ Services: 10,878 gal 2% KCL water w/24,000# 16/30 sand. Average treating pressure 1700 psi, w/average treating rate of 25.1 BPM. ISIP – 1660 psi, 5 min 1330 psi, 10 min 1240 psi, 15 min 1200 psi, 30 min 1100 psi.
----------	-------------	---

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. **Plug #1** Set 178' plug from 5737'-5915' with 30 sx Class "G" cement.
2. **Plug #2** Set 157' plug from 4624'-4781' with 30 sx Class "G" cement.
3. **Plug #3** Set 200' plug from 2000'-2200' with 30 sx Class "G" cement.
4. **Plug #4** Set 100' plug from 229'-329' (50' on either side of casing shoe) with 15 sx Class "G" cement.
5. **Plug #5** Set 50' plug from surface with 10 sx Class "G" cement.
6. Pump 10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement 279' to surface.

The approximate cost to plug and abandon this well is \$18,000.



Elev.GR -5190" GL
Elev.KB - 5200" KB

**PROPOSED P&A
WELLBORE DIAGRAM**

Attachment H-1

Monument Federal #23-22-8-17Y
Monument Butte
U-67845
Section 22, T8S, R17E

Duchesne County, Utah

DATE : 2/13/97 DZ

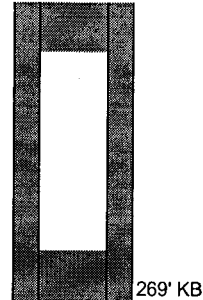
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 269'
DEPTH LANDED: 279' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: No data given in report

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 6261'
DEPTH LANDED: 6271' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sks super"G", 3% salt,
2% gel, 2#/sk KOL-seal,
1/4#sk Cello-flake, Tail w/
435 sks 50/50 POZ, 2% gel,
1/4#sk Cello-flake, 2#/sk
Kol-seal.

CEMENT TOP AT: 925' KB



10 sx Class "G" cmt, 50' to surface

10 sx Class "G" cement down the 8-5/8" x 5-1/2" annulus
to cement 279' to surface

15 sx Class "G" cmt, 229'-329'

TOC@
925'

30 sx Class "G" cmt, 2000'-2200'

4724'-4728'
4729'-4731'

30 sx Class "G" cmt, 4624'-4781'

5837'-5868'

30 sx Class "G" cmt, 5737'-5915'

PBTD @ 6218' KB
TD @ 6310' KB

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company **Well:** Monument Federal 23-22
Location: 22/8S/17E **API:** 43-013-31702

Ownership Issues: The proposed well is located on Federal land. The well is located in the proposed Canvasback Unit. Lands in the one-half mile radius of the well are administered by the BLM and L. Clark Roberts. The Federal Government and L. Clark Roberts are the mineral owners within the area of review. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland will be the operator of the proposed Canvasback Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 269 feet and has a cement top at the surface. A 5 ½ inch production casing is set at 62619 feet and has a cement top at 925'. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set at 4750 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells and 1 plugged and abandoned in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

Ground Water Protection: According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 200 feet. Injection shall be limited to the interval between 4724 feet and 5868 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 23-22 well is .78 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1629 psig. The requested maximum pressure is 1629 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

CONVERSION APPROVAL
BY BOARD ORDER 225-3
9/23/98

Monument Federal 23-22
page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining will hear Cause #225-3 requesting approval of the Canvasback Unit on September 23, 1998. Correlative rights issues will be addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill Date: 9/8/98

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT FEDERAL 23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019 FSL 1356 FWL NE/SW Section 22, T08S R17E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

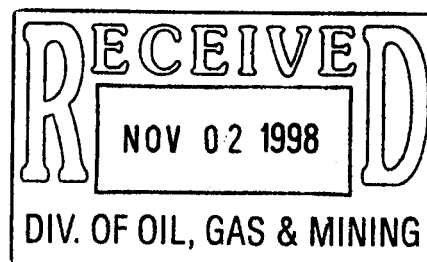
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Site Security**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

10/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company

Site Facility Diagram

Monument Federal 23-22Y

NE/SW Sec. 22, T8S, 17E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

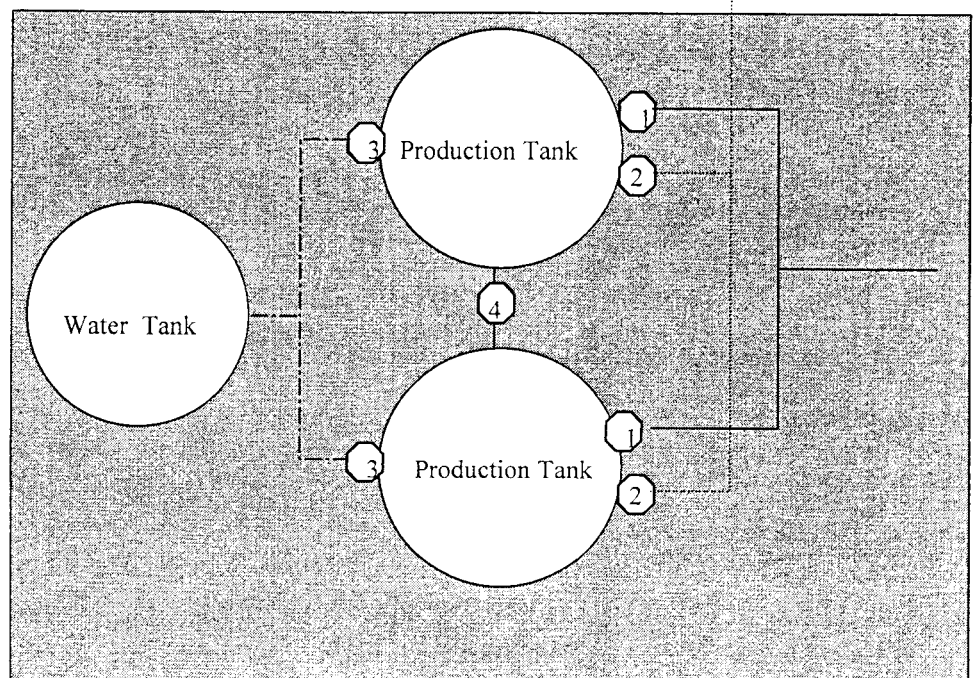
Draining Phase:

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



Emulsion Line

Load Line _____

Water Line - - - - -

Gas Sales - . - . - .

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019 FSL 1356 FWL NE/SW Section 22, T08S R17E

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT FEDERAL 23-22-8-17Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

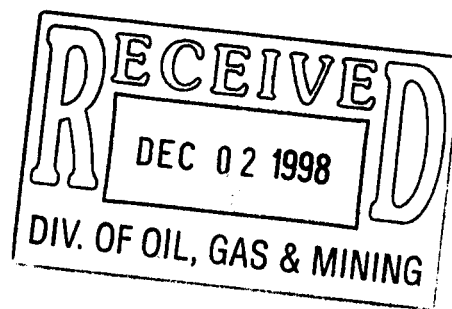
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Lease Number Change

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised that the lease number for the above referenced well should be changed to UTU-77233.



14. I hereby certify that the foregoing is true and correct

Signed

Richard E. Knight

Title

Manager, Regulatory Compliance

Date

11/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. H 5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	12299		43-013-31826	PARIETTE DRAW FED 8-22-8-17	SENE	22	8S	17E	DUCHESNE		12-1-98
WELL 1 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98.											
D	12024	12299	43-013-31588	MONUMENT FED 33-22-8-17	NWSE	22	8S	17E	DUCHESNE		12-1-98
WELL 2 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	12031	12299	43-013-31702	MONUMENT FED 23-22-8-17	NESW	22	8S	17E	DUCHESNE		12-1-98
WELL 3 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	11942	12299	43-013-31583	MONUMENT FED 13-22Y-8-17	NWSW	22	8S	17E	DUCHESNE		12-1-98
WELL 4 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

DOGM (KDR)

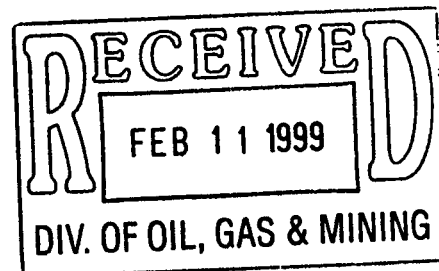
Signature _____

Title _____

2-16-99

Date _____

Phone No. (_____) _____



February 10, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Kristen Risbeck
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Kristen:

Thank you so much for your assistance yesterday with the Canvasback Unit. As we unitize areas and get the final approval, we have always in the past selected one well within the unit and assigned that entity number to the unit.

The entity number that you and I selected yesterday was 12299. This had been the entity number for the Pariette Draw #8-22 and now it will be the entity number for the whole Canvasback Unit. This entity number change will be effective December 1, 1998.

I am enclosing a listing of all the wells currently in the Canvasback Unit. I have listed the name of the well with the old entity number and the A.P.I. number. In the future any wells drilled within this unit will be assigned the entity number of 12299.

If you have any questions or need further information, please don't hesitate to call me.

Sincerely,



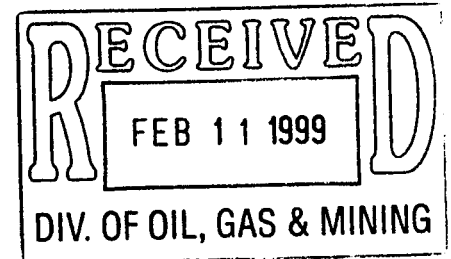
Kebbie S. Jones
District Administrator

Enclosures

/kj

CANVASBACK UNIT - ENTITY #12299

FIELD	WELL NAME	OLD ENTITY #	API NUMBER	
CANVASBACK UNIT	MONUMENT FEDERAL #31-22-8-17	11917	43-013-31587	NWNE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #11-22Y-8-17	11845	43-013-31539	NWNN S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #12-22Y-8-17	11717	43-013-31476	SWNW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #22-22Y-8-17	11842	43-013-31538	SENW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #32-22-8-17	11959	43-013-31586	SWNE S22T8SR17
CANVASBACK UNIT	PARIETTE DRAW FEDERAL #8-22-8-17	12299	43-013-31826	SENE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #33-22-8-17	12024	43-013-31588	NWSE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #23-22-8-17	12031	43-013-31702	NESW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #13-22Y-8-17	11942	43-013-31583	NWSW S22T8SR17





October 18, 2000

Bureau of Land Management
Attn: Leslie Crinklaw
170 South 500 East
Vernal, Utah 84078

RE: Sundry notice on Monument Federal 23-22Y

Dear Leslie:

Enclosed is a sundry notice in triplicate on the above-referenced well. If you have any questions, let me know.

Sincerely,

Martha Hall
Office Manager

/mh
enclosures

cc: State Division of Oil, Gas and Mining ✓
Denver office well file
Well file
Bob Jewett, Denver

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-77233

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

CANVASBACK

8. Well Name and No.

MONUMENT FED 23-22Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☐ Gas
Well

☒ Other
Injector

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019 FSL 1356 FWL NE/SW Section 22, T08S R17E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☒ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

The subject well was converted from a production to an injection well on 10/17/00. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly at 4654'.

14. I hereby certify that the foregoing is true and correct

Signed

Martha Hall
Martha Hall

Title

Office Manager

Date

10/18/00

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

INJECTION WELL - PRESSURE TEST

Well Name: <u>MF# 23-22-8-174</u>	API Number: <u>43-013-31702</u>
Qtr/Qtr: <u>NE/SW</u>	Section: <u>22</u> Township: <u>8S</u> Range: <u>17E</u>
Company Name: <u>INLAND PRODUCTION COMPANY</u>	
Lease: State <u>A</u>	Fee _____ Federal <u>U-67845</u> Indian _____
Inspector: <u>[Signature]</u>	Date: <u>10-19-00</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: 10 psi

Casing/Tubing Annulus - Pressure: 1050 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>10 PSI</u>
5	<u>1050</u>	<u>10</u>
10	<u>1050</u>	<u>10</u>
15	<u>1050</u>	<u>10</u>
20	<u>1050</u>	<u>10</u>
25	<u>1050</u>	<u>10</u>
30	<u>1050</u>	<u>10</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 10 psiCasing/Tubing Annulus Pressure: 1050 psi

COMMENTS: Tested for Conversion. Also used charts for records. Was not injecting (not permit yet)

[Signature]
Operator Representative

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1 SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.) OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well WELL <input type="checkbox"/> WELL <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO U-77233	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		7. UNIT AGREEMENT NAME CANVASBACK	
3. ADDRESS OF OPERATOR RT 3 Box 3630 Myton Ut 84052 (435) 646-3721		8. FARM OR LEASE NAME MONUMENT FEDERAL 23-22-8-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements * See also space 17 below.) At surface NE/SW 2019 FSL 1356 FWL		9. WELL NO 23-22-8-17	
		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NE/SW Section 22, T08S R17E	
14. API NUMBER 43-013-31702	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5180 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16 Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>		(OTHER) <u>Injection conversion</u>	<input checked="" type="checkbox"/>
(OTHER) <input checked="" type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On 10-17-00 Inland Production converted the above reference well from a production well to a injection well. On 10-19-00 a MIT was conducted on the casing that Mr. Dennis Ingram with the State of Utah witnessed. The casing was pressured to 1050 psi with 10 psi on the tubing no loss of pressure was charted in a 1/2 hour test. The pressure was then released and the well is shut-in waiting on permission to inject.

18 I hereby certify that the foregoing is true and correct			
SIGNED <u>Ron Shuck</u>	TITLE <u>Production Foreman</u>	DATE <u>10/19/00</u>	
(This space for Federal or State office use)			
APPROVED BY _____	TITLE _____	DATE _____	
CONDITIONS OF APPROVAL, IF ANY			

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
399 15th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: None Date: 10/19/00
Test conducted by: Ron Smith
Others present: Donna Ingram Dennis L. Ingram

Well Name: <u>Monument Fed. 23-22-8-17</u>	Type: <u>ER</u> SWD	Status: AC TA <u>UC</u>
Field: <u>Carnegie Back</u>	EPA # <u>UT 2855-04478</u>	
Location: <u>NE/4 Sec. 22 T 8 N 10R 17E</u>	County: <u>Duchesne</u> State: <u>UT</u>	
Operator: <u>Inland Production</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u> </u> PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No

Initial test for permit? ☒ Yes ☐ No

Test after well rework? ☒ Yes ☐ No

Well injecting during test? ☐ Yes ☒ No If Yes, rate: bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure		10 psig	psig	psig
End of test pressure		10 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE				
9:18	0 minutes	10.50 psig	psig	psig
	5 minutes	10.50 psig	psig	psig
	10 minutes	10.50 psig	psig	psig
	15 minutes	10.50 psig	psig	psig
	20 minutes	10.50 psig	psig	psig
	25 minutes	10.50 psig	psig	psig
9:48	30 minutes	10.50 psig	psig	psig
	minutes	psig	psig	psig
	minutes	psig	psig	psig
RESULT		<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up to psig?

Mechanical Integrity Test

additional comments for mechanical integrity test

ON 10-17-00 Inland Production Converted the well
from a Production Well to a Injector.
The Well is Shut-in Waiting on Permission to Inject.

OFFICE USE ONLY - COMPLIANCE FOLLOWUP		Staff	Date
Do you agree that the well passed/failed the test?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Transfer of ownership?	<input type="checkbox"/> Yes <input type="checkbox"/> No	OLD	NEW
Change in operating status (computer update)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Possible violation identified?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
If YES - Followup initiated?		<input type="checkbox"/> Yes	<input type="checkbox"/> No

☐ Data Entry ☐ Compliance Staff ☐ 2nd Data Entry ☐ Hard Copy Filing



DAILY WORKOVER REPORT

WELL NAME: Monument Federal 23-22-8-17

Report Date: 10-19-00

Day: 04

Operation: MIT on casing

Rig: NA

WELL STATUS

Surf Csg: 8-5/8 @ 280' Prod Csg: 5-1/2" @ 6261' WT: 15.5# Csg PBTD: 6212'
Tbg: Size: 2-7/8" Wt: 6.5 Grd: j - 55 Pkr/EOT @: 6153' BP/Sand PBTD: 6182'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB - 4	4724 - 4728'	4/16	CP	6083 - 6085'	4/8
GB - 4	4729 - 4731'	4/8	CP	6120 - 6132'	4/48
LDC	5837 - 5868'	2/62	CP	6187 - 6195'	4/32
			CP	6198 - 6201'	4/12

CHRONOLOGICAL OPERATIONS

Date Work Performed: 19-Oct-00

SITP: 10 SICP: 1050

Contacted Mr. Al Craver with the EPA and got verbal approval to conduct a MIT test on casing. Contacted Mr. Dennis Ingram with the State of Utah and lined up a time of 9:00 AM. Pressured casing to 1050 psi with 10 psi on the tubing. Charted no loss of pressure in 1/2 hour test. The pressure was then released. The well is shut-in waiting on permission to inject.

EPA #UT2855-04478

FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: 0 Starting oil rec to date: _____
Fluid lost/recovered today: 0 Oil lost/recovered today: _____
Ending fluid to be recovered: 0 Cum oil recovered: _____
IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

TUBING DETAIL

Wireline guide @ 4658.47'
Arrow Set 1 7.31'@4654.36'
SN 1.10 @ 4651.16'
149 jts tbg 4650.06'
KB 10.00'

ROD DETAIL

NA

COSTS

DAILY COST: _____

Workover Supervisor: Ron Shuck

TOTAL WELL COST: _____



PRODUCTION COMPANY
A Subsidiary of Inland Resources Inc.

October 19, 2000

*Division Oil and Gas & Mining
Attn: Mr. Brad Hill
1594 West North Temple – Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801*

*RE: Monument Federal 23-22-8-17
API # 43-013-31702, U-77233*

Dear Mr. Brad Hill

Please find enclosed the results of a MIT test conducted today on the above referenced well. Mr. Dennis Ingram was notified and witnessed the test. On 10-19-00 there was 1050 psi put on casing with 10 psi on tubing there was no loss of pressure charted in a ½ hour test.

If you have any questions or need further information, please don't hesitate to contact me. I can be reached at our Pleasant Valley Office at (435) 646-3721 or on my cellular at (435) 823-7977.

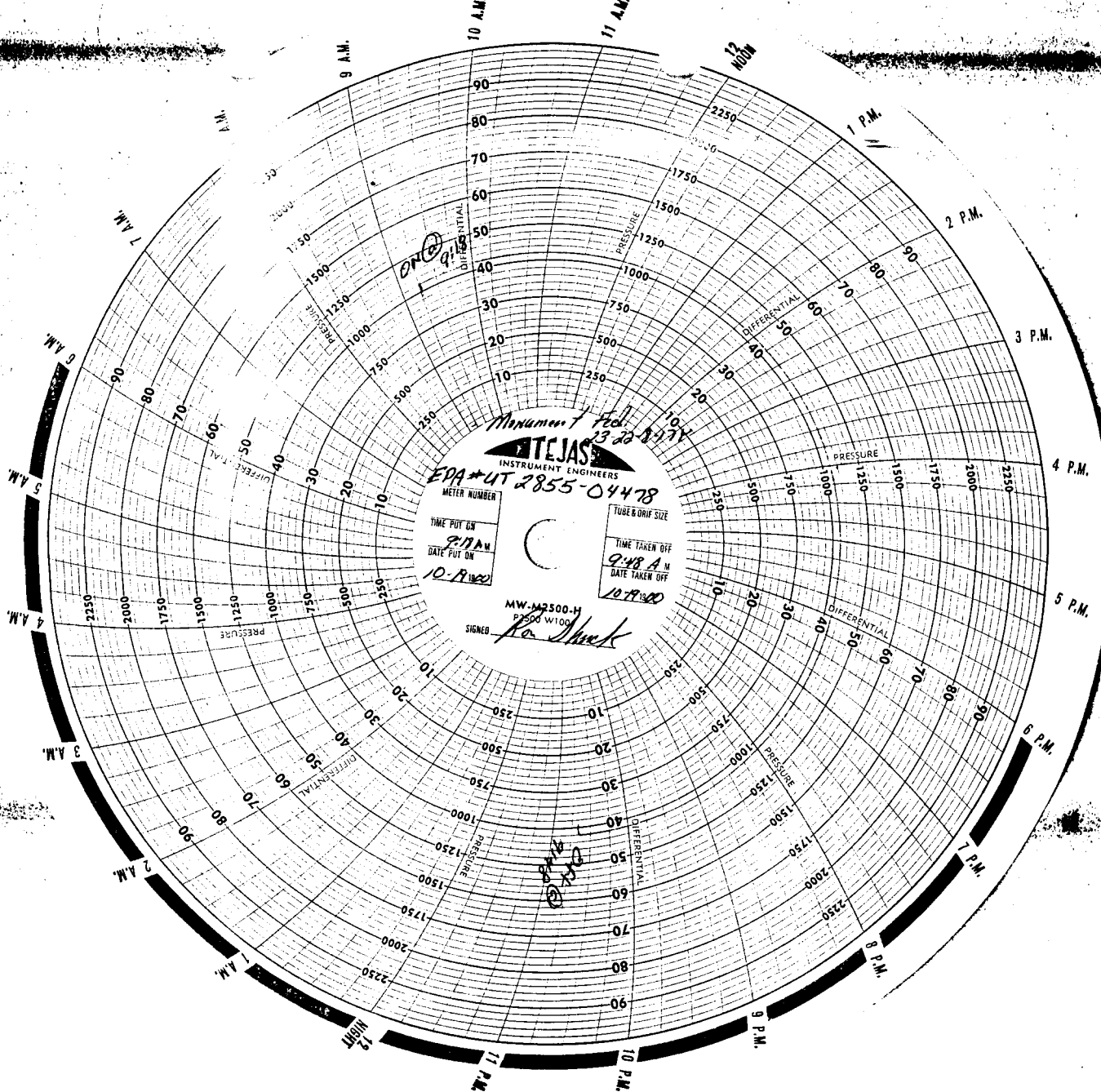
Sincerely,

*Ron Shuck
Production Foreman*

Enclosures

*cc: State of Utah – Division of Oil, Gas & Mining
Jon Holst - Inland Resources
Roosevelt & Denver Well Files*

/rs





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. 225-3

Operator: Inland Production Company
Well: Monument Federal 23-22-8-17
Location: Section 22, Township 8 South, Range 17 East
County: Duchesne
API No.: 43-013-31702
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 23, 1998.
2. Maximum Allowable Injection Pressure: 1629 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4724 feet - 5868 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

10/30/2000
Date

cc: Dan Jackson Environmental Protection Agency
Bureau of Land Management, Vernal
Inland Production Company, Myton

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1001-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-77233

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

CANVASBACK

8. Well Name and No.

MONUMENT FED 23-22Y

9. API Well No.

43-013-31702

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil
Well

☐

Gas
Well

☒

Other Injector

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2019 FSL 1356 FWL NE/SW Section 22, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☒

Other

Report of first injection

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☐

Conversion to Injection

☐

Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was put on injection at 11:30 a.m. on 11/29/00.

RECEIVED

DEC 04 2000

**DIVISION OF
OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct

Signed

Martha Hall
Martha Hall

Title

Office Manager

Date

11/29/00

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO. U-67845
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection Well		7. UNIT AGREEMENT NAME CANVASBACK
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. WELL NAME AND NUMBER MONUMENT FEDERAL 23-22-8-1
3. ADDRESS AND TELEPHONE NUMBER Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. API NUMBER 43-013-31702
4. LOCATION OF WELL Footages 2019 FSL 1356 FWL QQ, SEC, T, R, M: NE/SW Section 22, T08S R17E		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE
		COUNTY DUCHESNE STATE UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA			
NOTICE OF INTENT: (Submit in Duplicate)		SUBSEQUENT REPORT OF: (Submit Original Form Only)	
<input type="checkbox"/> ABANDON	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> ABANDON*	<input type="checkbox"/> NEW CONSTRUCTION
<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING	<input type="checkbox"/> REPAIR CASING	<input type="checkbox"/> PULL OR ALTER CASING
<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE	<input type="checkbox"/> CHANGE OF PLANS	<input type="checkbox"/> RECOMPLETE
<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE	<input type="checkbox"/> CONVERT TO INJECTION	<input type="checkbox"/> REPERFORATE
<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> FRACTURE TREAT OR ACIDIZE	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> MULTIPLE COMPLETION	<input type="checkbox"/> WATER SHUT OFF	<input checked="" type="checkbox"/> OTHER	Step Rate Test
<input type="checkbox"/> OTHER _____		DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

A step rate test was conducted on the subject well on 5/3/01. Results indicate that the formation fracture gradient is .721 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1350 psi.

13. NAME & SIGNATURE: Michael Guinn TITLE District Engineer DATE 5/9/01

(This space for State use only)

4/94

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 05-14-01

By: [Signature]

05-14-01
CHD

RECEIVED

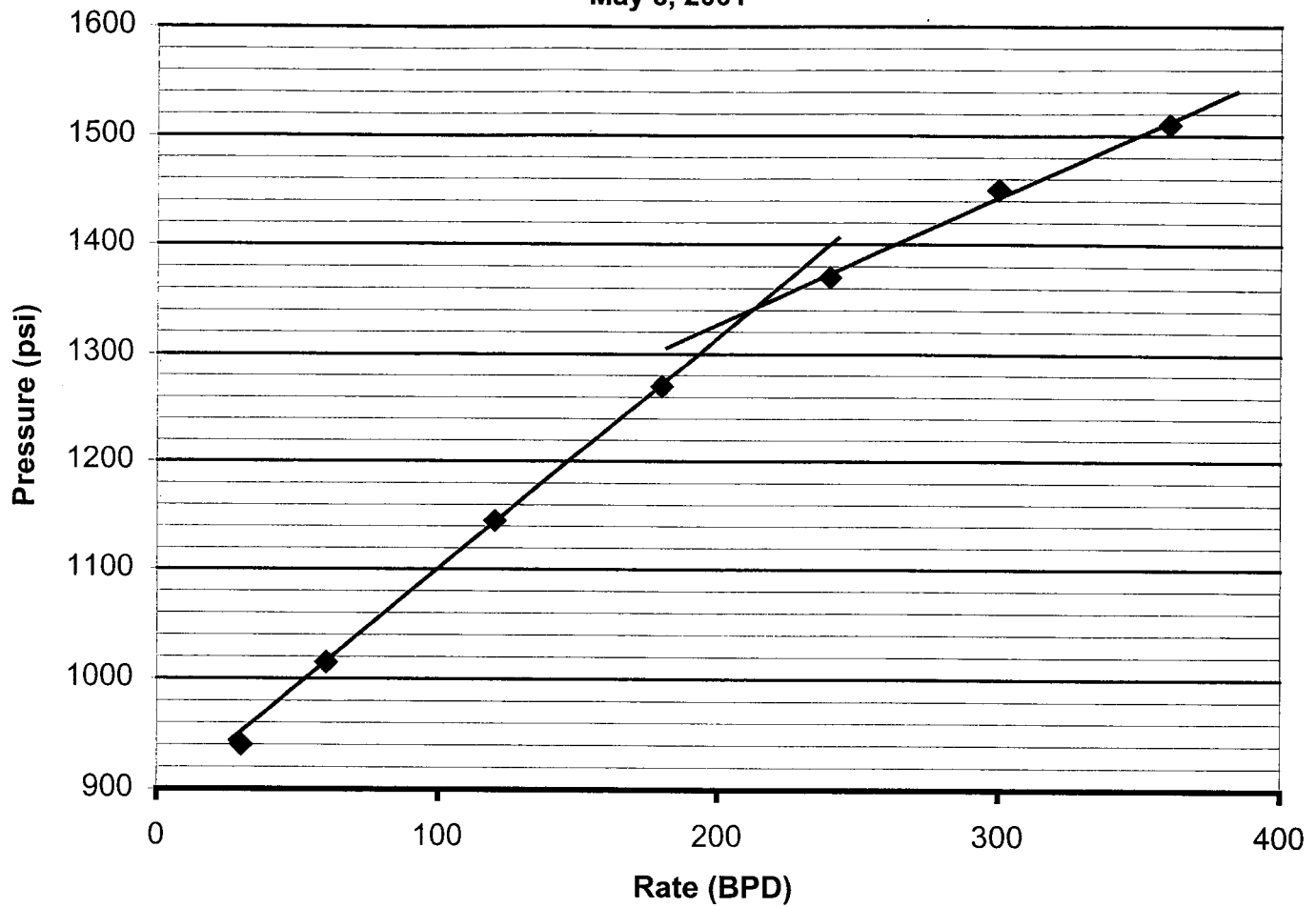
DIVISION OF
OIL, GAS AND MINING

Monument Federal 23-22-8-17

Canvasback Unit

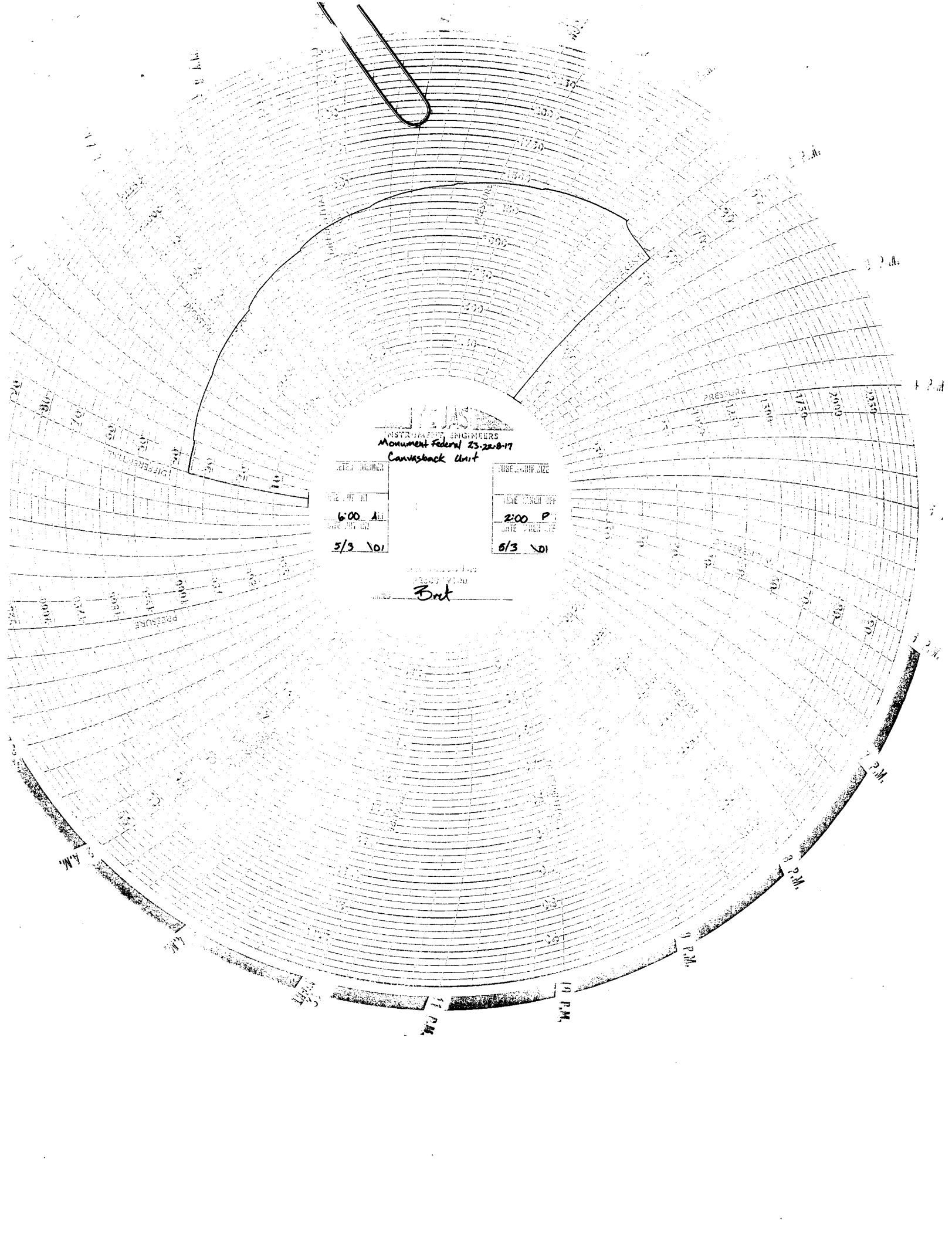
Step Rate Test

May 3, 2001



Start Pressure: 865 psi
Instantaneous Shut In Pressure (ISIP): 1500 psi
Top Perforation: 4724 feet
Fracture pressure (Pfp): 1350 psi
FG: 0.721 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	940
2	60	1015
3	120	1145
4	180	1270
5	240	1370
6	300	1450
7	360	1510
8	420	0
9	480	0
10	540	0



J.E. JAS.
INSTRUMENT ENGINEERS
Monument Federal 23-22-8-17
Canvasback Unit

DATE TIME AT

6:00 A.M.

DATE TIME OFF

5/3 101

DATE TIME AT

2:00 P.M.

DATE TIME OFF

6/3 101

Monument Federal 23-22-8-17

Bent



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. D. Hunt*Title: *Tech. Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.

Unit:

CANVASBACK (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BALCRON FED 12-22Y	22	080S	170E	4301331476	12299	Federal	WI	A
BALCRON MON FED 22-22-8-17Y	22	080S	170E	4301331538	12299	Federal	OW	P
BALCRON MON FED 11-22-8-17Y	22	080S	170E	4301331539	12299	Federal	OW	P
MON FED 13-22-8-17Y	22	080S	170E	4301331583	12299	Federal	OW	S
MON FED 32-22-8-17	22	080S	170E	4301331586	12299	Federal	WI	A
MON FED 31-22-8-17	22	080S	170E	4301331587	12299	Federal	OW	P
MON FED 33-22-8-17	22	080S	170E	4301331588	12299	Federal	OW	P
MON FED 23-22-8-17Y	22	080S	170E	4301331702	12299	Federal	WI	A
PARIETTE DRAW 8-22	22	080S	170E	4301331826	12299	Federal	OW	P
CANVASBACK 13A-22-8-17	22	080S	170E	4301332238	12299	Federal	OW	P
CANVASBACK 14-22-8-17	22	080S	170E	4301332239	12299	Federal	OW	P
CANVASBACK 15-22-8-17	22	080S	170E	4301332240	12299	Federal	OW	P
CANVASBACK 16-22-8-17	22	080S	170E	4301332241	12299	Federal	OW	P
FEDERAL 13-23-8-17	23	080S	170E	4301332340	12299	Federal	OW	P
CANVASBACK 12-23-8-17	23	080S	170E	4301332341	12299	Federal	OW	P
CANVASBACK 4-23-8-17	23	080S	170E	4301332342	12299	Federal	OW	P
CANVASBACK 5-23-8-17	23	080S	170E	4301332343	12299	Federal	OW	P
FEDERAL 14-23-8-17	23	080S	170E	4304734556	12299	Federal	OW	P
CANVASBACK 15-23-8-17	23	080S	170E	4304734557	12299	Federal	D	PA
CANVASBACK 3-23-8-17	23	080S	170E	4304734567	12299	Federal	OW	P

K

K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If NO, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The FORMER operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU67845

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

CANVASBACK UNIT

8. WELL NAME and NUMBER:

MON FED 23-22Y-8-17

9. API NUMBER:

4301331702

10. FIELD AND POOL, OR WILDCAT:

Monument Butte

1. TYPE OF WELL:

OIL WELL ☐

GAS WELL ☐

OTHER ☐ Injection well

2. NAME OF OPERATOR:

Newfield Production Company

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Mvton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2019 FSL 1356 FWL

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SW, 22, T8S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of Work Completion:

03/11/2005

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARILY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - Step Rate Test

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on March 1, 2005. Results from the test indicate that the fracture gradient is .829 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1860 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Mike Guinn

TITLE Engineer

SIGNATURE

DATE March 11, 2005

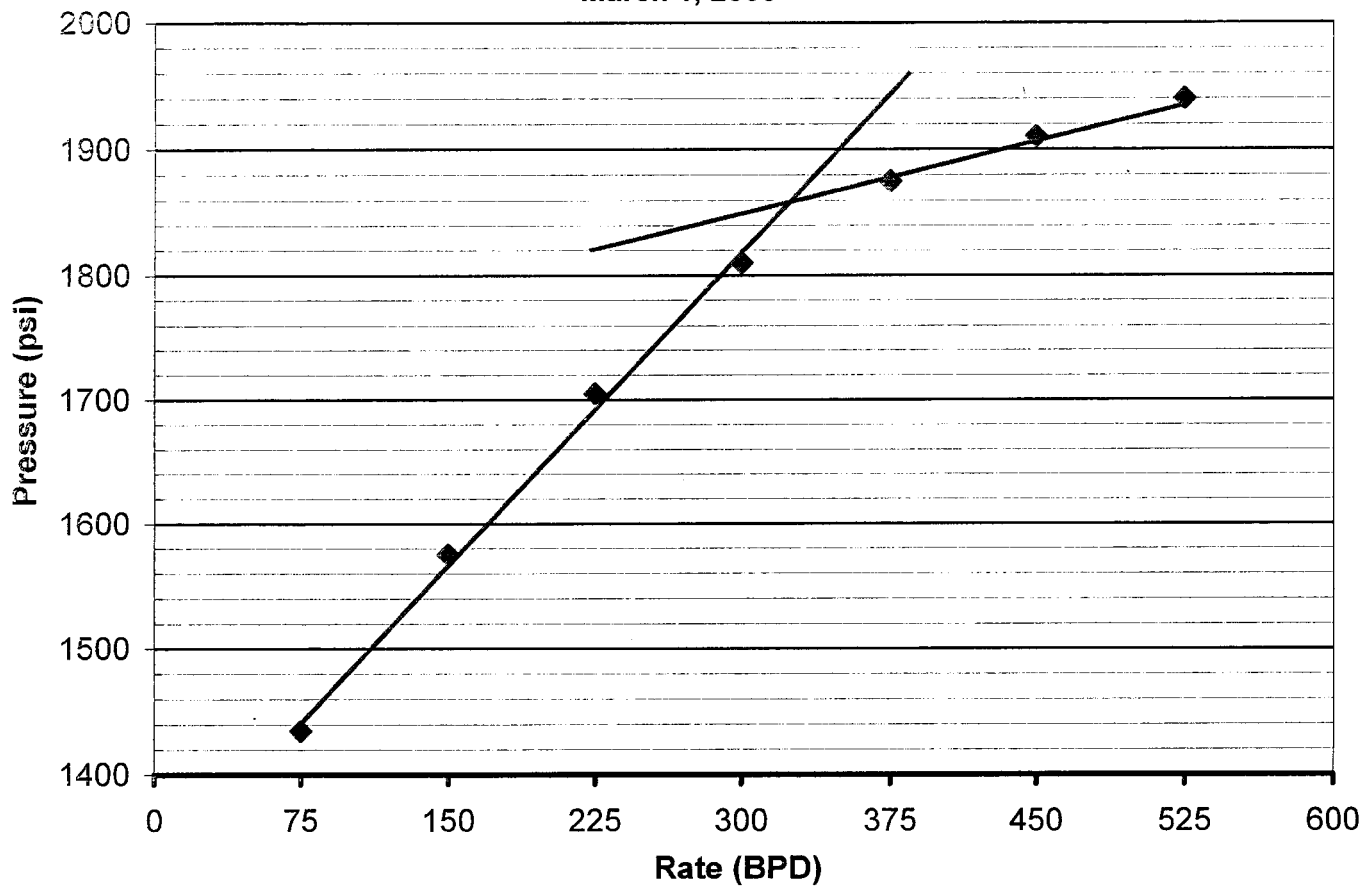
(This space for State use only)

RECEIVED

MAR 16 2005

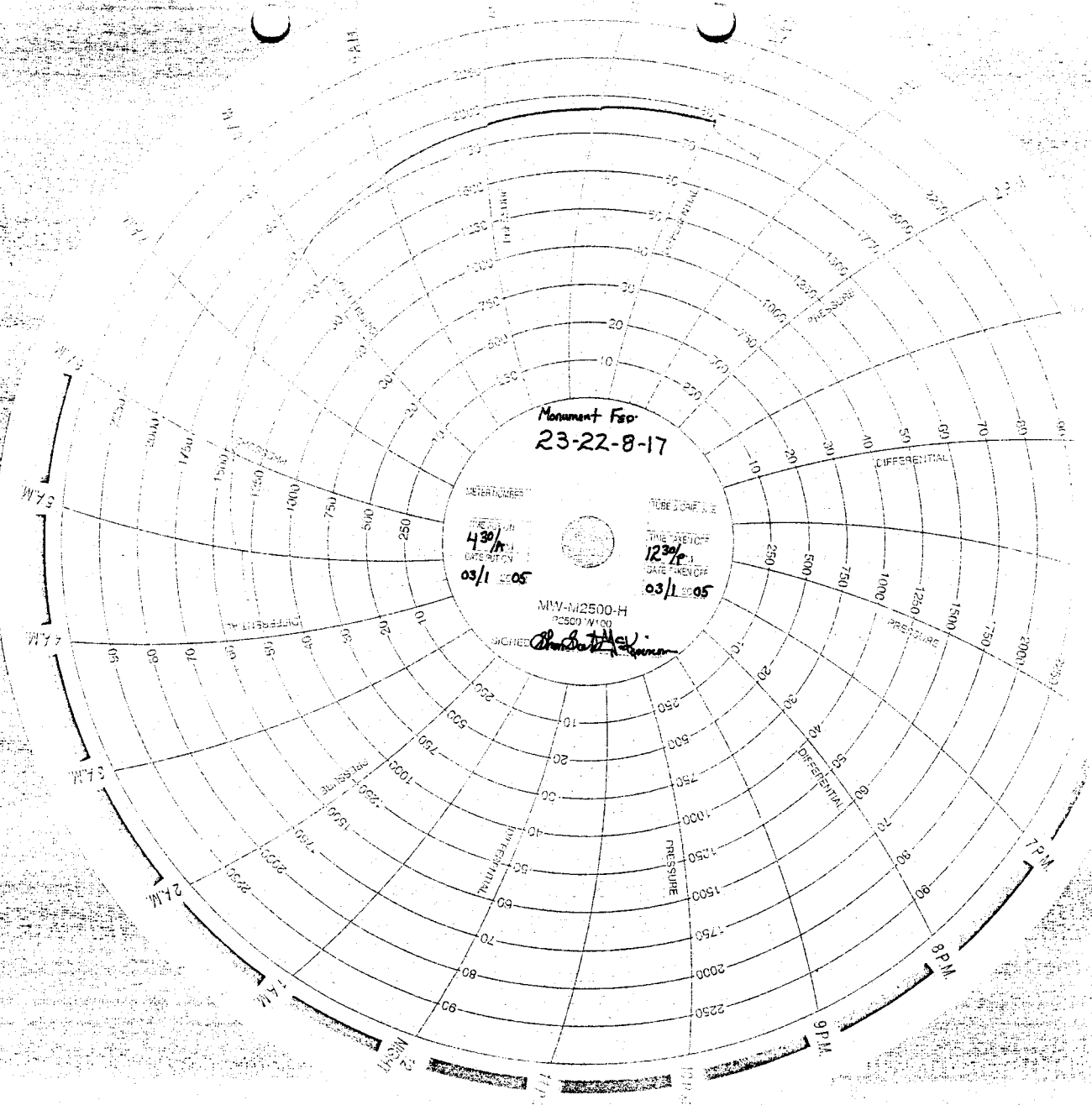
DIV. OF OIL, GAS & MINING

Monument Federal 23-22-8-17
 Canvasback Unit
 Step Rate Test
 March 1, 2005



Start Pressure: 1310 psi
 Instantaneous Shut In Pressure (ISIP): 1915 psi
 Top Perforation: 4724 feet
 Fracture pressure (Pfp): 1860 psi
 FG: 0.829 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	1435
2	150	1575
3	225	1705
4	300	1810
5	375	1875
6	450	1910
7	525	1940



Monument Fso
23-22-8-17

METER NUMBER
430/A
DATE 03/1/05

TUBE SIZE
1/2" X 1/2"
DATE 03/1/05

MW-M2500-H

SIGNED *Robert H. Miller*

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-67845

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

GMBU

8. WELL NAME and NUMBER:

MON FED 23-22Y-8-17

9. API NUMBER:

4301331702

10. FIELD AND POOL, OR WILDCAT:

GREATER MB UNIT

1. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630

CITY Myton

STATE UT

ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2019 FSL 1356 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 22, T8S, R17E

STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ NOTICE OF INTENT
(Submit in Duplicate)

Approximate date work will

☒ SUBSEQUENT REPORT
(Submit Original Form Only)

Date of Work Completion:

08/30/2010

☐ ACIDIZE

☐ ALTER CASING

☐ CASING REPAIR

☐ CHANGE TO PREVIOUS PLANS

☐ CHANGE TUBING

☐ CHANGE WELL NAME

☐ CHANGE WELL STATUS

☐ COMMINGLE PRODUCING FORMATIONS

☐ CONVERT WELL TYPE

☐ DEEPEN

☐ FRACTURE TREAT

☐ NEW CONSTRUCTION

☐ OPERATOR CHANGE

☐ PLUG AND ABANDON

☐ PLUG BACK

☐ PRODUCTION (START/STOP)

☐ RECLAMATION OF WELL SITE

☐ RECOMPLETE - DIFFERENT FORMATION

☐ REPERFORATE CURRENT FORMATION

☐ SIDETRACK TO REPAIR WELL

☐ TEMPORARITLY ABANDON

☐ TUBING REPAIR

☐ VENT OR FLAIR

☐ WATER DISPOSAL

☐ WATER SHUT-OFF

☒ OTHER: - Five Year MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 08/23/2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 08/30/2010 the casing was pressured up to 1170 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1783 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20855-04478 API# 43-013-31702

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 09/01/2010

(This space for State use only)

RECEIVED
SEP 07 2010
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 8/30/10
Test conducted by: Rusty Bird
Others present: _____

Well Name: <u>monument Federal 23-22Y-B-17</u>		Type: ER SWD	Status: AC TA UC
Field: <u>monument Butte</u>			
Location: <u>NW/4</u>	Sec: <u>22</u>	T <u>B</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u> State: <u>Ut</u>
Operator: <u>Newfield</u>			
Last MIT: <u>/ /</u>		Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: 0 bpd

Pre-test casing/tubing annulus pressure: 0 psig

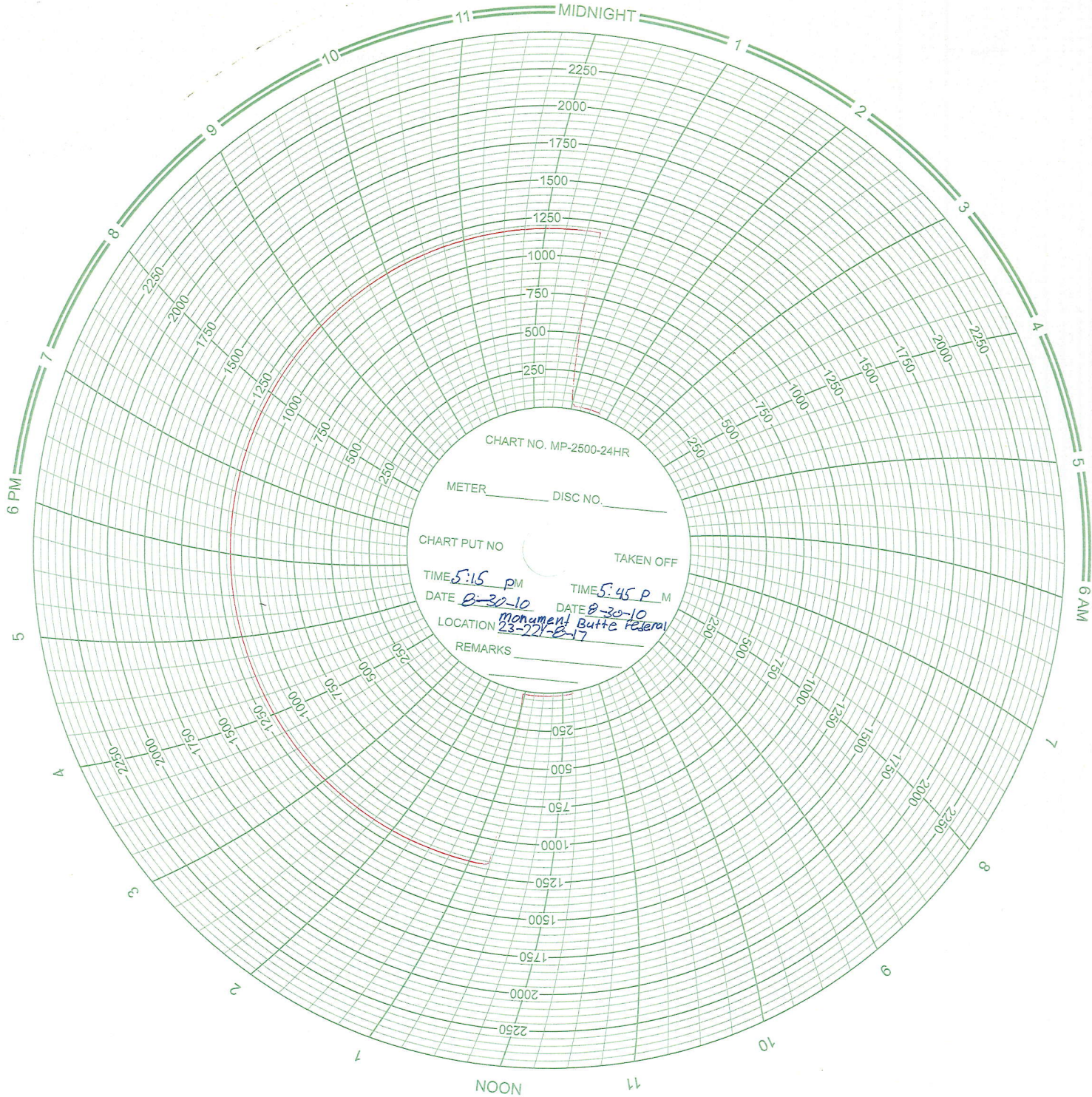
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1783</u> psig	psig	psig
End of test pressure	<u>170.3</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1170</u> psig	psig	psig
5 minutes	<u>1170</u> psig	psig	psig
10 minutes	<u>1170</u> psig	psig	psig
15 minutes	<u>1170</u> psig	psig	psig
20 minutes	<u>1170</u> psig	psig	psig
25 minutes	<u>1170</u> psig	psig	psig
30 minutes	<u>1170</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Rusty Bird



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-77233
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: GMBU
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052	PHONE NUMBER 435.646.3721	7. UNIT or CA AGREEMENT NAME: GMBU
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2019 FSL 1356 FWL OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NESW, 22, T8S, R17E		8. WELL NAME and NUMBER: MON FED 23-22-8-17 Y 9. API NUMBER: 4301331702 10. FIELD AND POOL, OR WILDCAT: GREATER MB UNIT COUNTY: DUCHESNE STATE: UT

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Five Year MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 08/30/2010			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 08/23/2010 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. On 08/30/2010 the casing was pressured up to 1170 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1783 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20855-04478 API# 43-013-31702

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Administrative Assistant

SIGNATURE

DATE 09/01/2010

(This space for State use only)

RECEIVED

OCT 14 2010

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77233
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MON FED 23-22-8-17Y
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2019 FSL 1356 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 22 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013317020000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/27/2015	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 07/27/2015 the casing was pressured up to 1109 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 1358 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-04478		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874
SIGNATURE N/A		TITLE Water Services Technician
DATE 7/31/2015		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 04, 2015

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7/27/15
Test conducted by: Dale Giles
Others present: _____

Well Name: Mon. Fed. 23-224-8-17 Type: ER SWD Status: AC TA UC
Field: Moment Butte
Location: NE/SW Sec: 22 T 8 N 10 R 17 E/W County: Duchesne State: UT
Operator: Newfield Production Co.
Last MIT: 1 Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1358</u> psig	psig	psig
End of test pressure	<u>1358</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1099</u> psig	psig	psig
5 minutes	<u>1102</u> psig	psig	psig
10 minutes	<u>1104</u> psig	psig	psig
15 minutes	<u>1105</u> psig	psig	psig
20 minutes	<u>1106</u> psig	psig	psig
25 minutes	<u>1108</u> psig	psig	psig
30 minutes	<u>1109</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

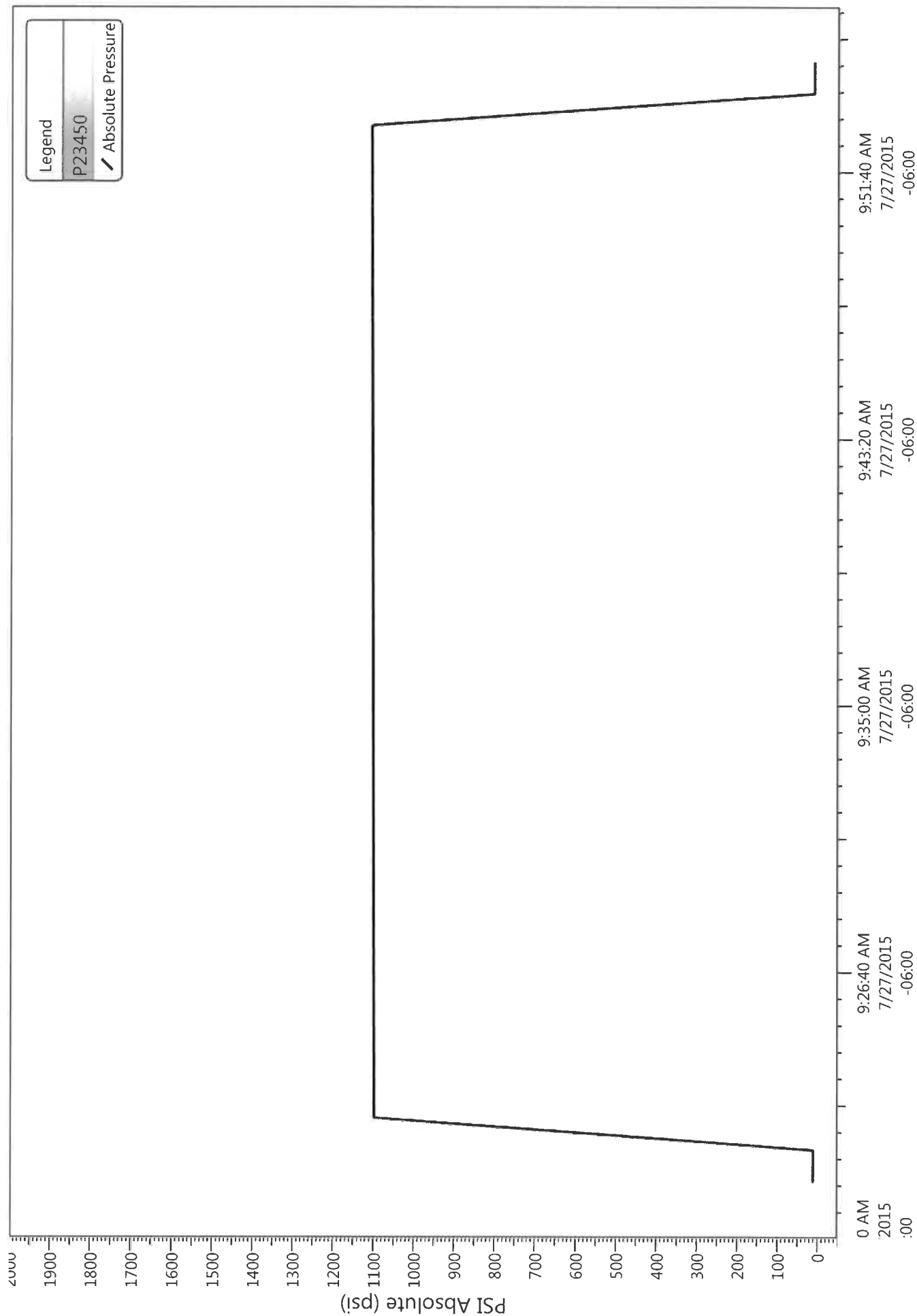
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Mon. Feb. 23 22y 8 17 (5 year mit)

7/27/2015 9:19:14 AM



Spud Date: 11/25/96
 Put on Production: 12/17/96
 Put on Injection: 10/17/00
 GL: 5180' KB: 5190'

Monument Fed. #23-22-8-17

Initial Production: 26 BOPD,
 NM MCFD, 8 BWPD

Injection Wellbore
 Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 269'
 DEPTH LANDED: 279' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: No data reported

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: L-55
 WEIGHT: 15.5#
 LENGTH: 149 jts (6261')
 DEPTH LANDED: 6271' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 370 sxs Super "G" & 435 sxs 50-50 POZ.
 CEMENT TOP AT: 925' per CBL

TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 149 jts (4650.05')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4651.16' KB
 ARROW SET PACKER: 4654.36' KB
 TOTAL STRING LENGTH: EOT @ 4658.47'

FRAC JOB

11/25/96 5837'-5868' **Frac LODC sand as follows:**
 29,440# 20/40 sand + 50,660# 16/30 sand in
 557 bbl 2% KCl. Treated @ avg press of 2740
 psi w/avg rate of 13.8 BPM. ISIP 1660 psi.

11/25/96 4724'-4731' **Frac GB4 sand as follows:**
 24,000# 16/30 sand in 259 bbl 2% KCl.
 Treated @ avg press of 1700 psi w/avg rate of
 25.1 BPM. ISIP 1660 psi.


4/29/98 6083'-6201' **Frac CP sands as follows:**
 66,100# 20/40 sand in 324 bbl frac fluid.
 Treated @ avg press of 6400 psi w/avg rate of
 25 BPM. Screened out w/ 56,300# sand in
 formation, 9800# in tubing.

5/02/98 5837'-5868' **Re-Frac LODC sands as follows:**
 71,300# 20/40 sand in 358 bbl frac fluid.
 Treated @ avg press of 6900 psi w/avg rate of
 23 BPM. Screened out w/ 71,300# sand in
 formation, 12,000# in tubing.

9/13/05
 8-30-10
 5 year MIT test complete.
 5 yr MIT

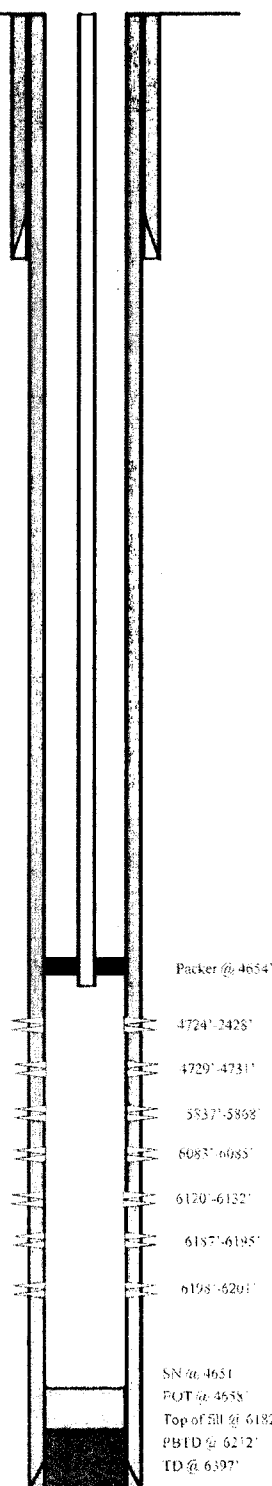
PERFORATION RECORD

11/22/96 5837'-5868' 2 ISPF 62 holes
 11/25/96 4729'-4731' 4 ISPF 08 holes
 11/25/96 4724'-4728' 4 ISPF 16 holes
 04/28/98 6198'-6201' 4 ISPF 12 holes
 04/28/98 6187'-6195' 4 ISPF 32 holes
 04/28/98 6120'-6132' 4 ISPF 32 holes
 04/28/98 6083'-6085' 4 ISPF 08 holes



NEWFIELD

Monument Fed. #23-22-8-17
 2019' FSL & 1356' FWL
 NWSW Section 22-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31702; Lease #U-77233



Packer @ 4654'

4724'-2426'

4729'-4731'

5837'-5858'

6083'-6085'

6120'-6132'

6187'-6185'

6198'-6201'

SN @ 4651

POT @ 4658'

Top of SN @ 6182

PBTD @ 6212'

TD @ 6397'



October 3, 2005

Mr. Nathan Wiser
Environmental Protection Agency
Region VII
999 18th Street-Suite 300
Denver, Colorado 80202-2466

RE: 5 Year MIT
Monument Federal 23-22
EPA #: UT 20855-04478

Dear Mr. Wiser:

A 5-year MIT was conducted on the subject well. Attached are the sundry, tabular sheet and a copy of the chart. If you have any questions please give me a call at 435 646-4805.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathy Chapman".

Kathy Chapman
Office Manager



October 3, 2005

Mr. Brad Hill
State of Utah, DOGM
1594 West North Temple-Suite 1310
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: 5 Year MIT
Monument Federal 23-22
API #43-013-31702

Dear Mr. Brad Hill:

A 5-year MIT was conducted on the subject well. Attached are the sundry, tabular sheet and a copy of the chart. If you have any questions please give me a call at 435 646-4805.

Sincerely,

A handwritten signature in cursive script, appearing to read "Kathy Chapman", written in dark ink.

Kathy Chapman
Office Manager

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU67845

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME
CANVASBACK UNIT

8. WELL NAME and NUMBER:
MON FED 23-22Y-8-17

9. API NUMBER
4301331702

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

1. TYPE OF WELL. OIL WELL ☐ GAS WELL ☐ OTHER Injection well

2. NAME OF OPERATOR:
Newfield Production Company

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER
435.646.3721

4. LOCATION OF WELL:
FOOTAGES AT SURFACE 2019 FSL 1356 FWL

COUNTY: Duchesne

OTW/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN NE/SW, 22, T8S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER - 5 Year MIT
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 09/13/2005			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 9/13/05 Nathan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 9/29/05. On 9/29/05 the csg was pressured up to 1240 psig and charted for 30 minutes with 0 psi pressure loss. The well was injecting during the test. The tbg pressure was 1840 psig during the test. There was not an EPA representative available to witness the test. API# 43-013-31702.

NAME (PLEASE PRINT) Kathy Chapman

TITLE Office Manager

SIGNATURE

DATE 10/03/2005

(This space for State use only)

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 09/29/05
Test conducted by: Dele Giles
Others present: _____

Well Name: <u>Monument Fed. 23-22-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Canvasback Unit</u>		
Location: _____	Sec: <u>22</u> T <u>S</u> N <u>(S)</u> R <u>17</u> E/W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u>	Maximum Allowable Pressure: <u>1860</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☐ Yes ☐ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 28 bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1840</u> psig	psig	psig
End of test pressure	<u>1840</u> psig	psig	psig
CASING / TUBING	ANNULUS	PRESSURE	
0 minutes	<u>1240</u> psig	psig	psig
5 minutes	<u>1240</u> psig	psig	psig
10 minutes	<u>1240</u> psig	psig	psig
15 minutes	<u>1240</u> psig	psig	psig
20 minutes	<u>1240</u> psig	psig	psig
25 minutes	<u>1240</u> psig	psig	psig
30 minutes	<u>1240</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

